Taylan Koca
Senior Software Developer

Taylan Koca (Taylan Arif Koca, Birth: 16 May 1985)
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- **Single, Native Turkish, Citizen of the Republic of Turkey**
- **Drop out** Civil Engineering student @ METU www.metu.edu.tr
- **Knowledge** of engineering discipline, analytical integration, and workflows.
- **No military obligation,** has a driving license, and has fluent oral and written skills in English.
- **Current technical interests** on the blog: taylankoca.wordpress.com
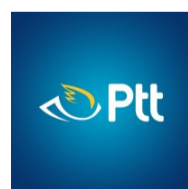
Work Experience

Livstag, Founder, Senior Software Engineer (2024 February, …)

Livstag provides professional support for your website and mobile application development projects. We successfully manage and develop your projects through services like preparing technical specifications and evaluating received proposals. At every stage, we ensure high-quality standards and timely delivery. We offer comprehensive project management, including planning, scheduling, cost analysis, and performance monitoring, while maintaining confidentiality and security. Our services include detailed technical specifications, professional proposal evaluation, and regular progress reports.

ARPM, Senior Software Engineer (Remotely to New York City, USA; From Ankara; 2023 October, 2024 February)

In my role at **Advanced Risk and Portfolio Management (ARPM)**, I have taken a role in editing and modifying **bash scripts**, significantly enhancing the functionality and efficiency of updates in both the Education and Python Labs. My responsibilities also include conducting thorough **LaTeX** checks and implementing necessary updates, a task that ensures the production of high-quality documentation and reports. Recognizing the potential of emerging technologies, I have effectively leveraged AI tools, including **ChatGPT**, to streamline processes and markedly improve the user experience within our educational tools and resources.

Macellan, Senior Laravel Developer (Remotely to İstanbul, From Ankara, 2022 December, 2023 September)

At **Macellan**, I have been working as a **Senior Laravel Developer** remotely from İstanbul since December 2022. My primary responsibilities include updates and developments on **Bulut Filo**, a Fleet Management System. I've leveraged the power of **AI**, specifically technologies like **ChatGPT**, to solve various problems. My role also encompasses using **Jira** for project management and practicing **Scrum** methodologies to enhance team collaboration and efficiency.

TPay Mobile, Payguru Senior Software Engineer (İstanbul & Cairo, 2021 September, 2022 November)
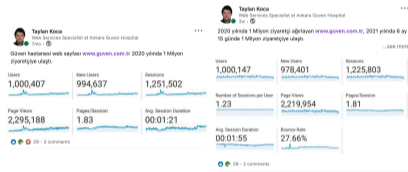
At **TPay Mobile** (Known as Payguru in Turkey), I served as a **Senior Software Engineer** in İstanbul & Cairo from September 2021 to November 2022. During this time, I handled operations on a system managing **6 million transactions** per month. My experience encompassed **Java WildFly**, **Enterprise JavaBeans (EJB)**, **Java Messaging Service (JMS)**, especially in high-volume systems, and **PHP Development** for reporting and support systems. I also became proficient with the **Bamboo CI/CD Pipeline**, integrated with **Jira**, and **Bitbucket**, and worked for transitioning to **Azure Board**. My role incorporated practices like **Test Driven Development** and **Pair Programming**, including a technical visit to the TPay Mobile Team in Cairo.

Güven Hospital Web Services Specialist (Ankara, 2019 June, 2021 August)

During my tenure at **Güven Hospital** as a **Web Services Specialist** in Ankara from June 2019 to August 2021, I played a crucial role in various projects. I handled the Front-end applications and back-end panels for **guven.com.tr**, **guveninternational.com**, and **guvenvakfi.org**, including design with **Figma**. Additionally, I developed an app for medical doctors for online CV and photo management, and I was responsible for designing and serving an API related to medical doctor information, utilizing **Swagger/OpenAPI** for the mobile app. My work also included serving more than six backend record panels both inside and outside the hospital, an HR Module for doctor and nurse applications, and an online medical interview appointment system. **My work during the coronavirus pandemic involved significant responsibilities and workload.** I also gained experience with the **UI Testing Framework Cypress** and coordinated **SEO Agency Updates**. Impressively, the visitors to our web applications grew from 100K to 1 Million in the first year and doubled in the next year. After I quit, in 2023 it was making **1 Million** in **every two months** still with the infrastructure I provided.

Note: I respect to all **Güven Family, Doctors, Nurses, and Administrative Staff,** for their efforts during the coronavirus time.

İyi Makina Interim CTO (İstanbul Remotely, 2019 August, 2020 July)

I served as the **Interim CTO** at **İyi Makina**, working remotely from Ankara to İstanbul between August 2019 and July 2020. During this time, I took on various responsibilities such as **training and leading the junior team**. Our collaboration included weekly meetings, weekend work, and meticulous **code review** to ensure **quality** and **efficiency**. I was also instrumental in **designing and implementing** both the **backend** and **database** design, tailoring them to the specific needs of the organization. Furthermore, I spearheaded the design and implementation of the **UI Test framework Cypress**, enabling more robust and reliable testing of our user interfaces. The experience provided me with valuable insights into **team leadership**, **systems design**, and the importance of rigorous **testing** in software development.
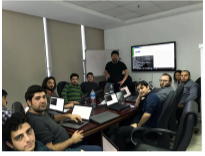

Servislet Interim CTO (Ankara, 2018 July, 2019 July)

During my tenure as the **Interim CTO** at **Servislet** in Ankara from July 2018 to July 2019, I was responsible for a variety of critical tasks. I actively participated in **designing and implementing** the **architecture** and **backend design** and **frontend application** utilizing technologies such as **Laravel** and **October CMS**. I took the lead in **Designing and Serving API** for 3rd party systems, including the **Servislet Mobile App**, and was involved in **integrating** various 3rd party systems such as **Firebase**, **SMS**, **E-mail**, and **Slack**. My architectural design expertise played a vital role in shaping the system's overall structure, as can be seen in the architectural draft below. They used my architecture until they found a 12M USD investment in Spring 2022 for almost three years.

TITCK, OBSS Senior Consultant (Ankara, 2017 November, 2018 April)

Serving as a **Senior Consultant** at **TITCK, OBSS** in Ankara from November 2017 to April 2018, I played an instrumental role at the **Turkish Medication and Medical Equipment Association**, under the **Ministry of Health**. My responsibilities included implementing and educating project management and collaboration tools such as **Jira Confluence** and **Team Foundation Server**. I also provided extensive **training** to state personnel, focusing on web development technologies like **Laravel** and various **JS Libraries**. Additionally, I imparted education on **version control systems**, such as **Git** and other **VCSs**, helping to enhance the technical proficiency of the staff. The photo below is from a training night.
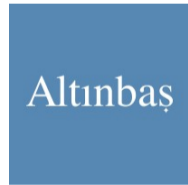

YD Yazılım Senior Software Developer (Ankara, 2016 September, 2017 April)

During my tenure as a **Software Engineer** at **YD Software**, I was actively involved in various projects. A major responsibility was the maintenance of **ASP.NET** projects made for the **Ministry of Culture, Directorate General of Libraries and Publications**. ISBN number system managed by an **ASP.NET** and **MsSQL** system. I also experienced connecting **Oracle** databases while supporting the team.

Freelance Works

My **Freelance Work** encompassed a diverse range of projects across different regions and sectors. I provided my expertise for **renthousearuba.com** with Marcel van Schie in Aruba, Kingdom of Netherlands, and performed updates for **pickyourday.com** with Jan Rangul in Trondheim, Norway. In Turkey, I collaborated with various clients, including Doğan Çağlaroğlu for **proscout.com**, Jason Steinberg for **enisteenglish.com** in Ankara, Dr. Onur Pekcan for **insaatcv.com** in Ankara, and Oğuzhan Okutansoy for **safirtuz.com.tr** in Ankara. Additionally, I contributed to **izmirinsandiklari.org**, a non-profit group dedicated to election transparency in İzmir, Türkiye. Each of these projects presented unique challenges and opportunities to leverage various technologies and methodologies, culminating in successful outcomes for my clients. I used **October CMS** which is a **Laravel-based** CMS, mostly in these projects.

Crealive Web Developer (İstanbul, 2015 May, 2016 April)

During my tenure as a **Web Developer** at **Crealive** (İstanbul, 2015 May to 2016 April), I was responsible for **updating and maintaining** high-volume jewelry e-commerce websites such as **Zen Pırlanta** and **Altınbaş**. As a **backend developer,** my role included **designing and implementing API connections** for various platforms like **Instagram**, **Gittigidiyor**, **Hepsiburada**, **Paypal**, and more. I also gained experience in **integration with Virtual POSes** for banks such as İş Bankası, Garanti, Akbank, and Finansbank (ASSECO). I also integrated international ones like **Authorize.net**. My technical proficiencies extended to setting up and maintaining **Ubuntu Linux systems** on **Amazon Web Services**, including the migration of e-commerce systems to AWS, implementing cache systems like **Redis** and **Memcached** for high-volume traffic, and utilizing **CENTOS Radore hosting services**, with experience in installing and using tools like **CPanel**, **Sentora**, and **iRedMail**.

Baracca API Developer (İstanbul, 2013 August, 2015 May)

At **Baracca**, working as an **API Developer** (İstanbul, 2013 August to 2015 May), my responsibilities encompassed **creating API Connector Objects** using **PHP** to connect platforms like **Radian6, Mediamind, Facebook, Twitter, Instagram, LinkedIn, FourSquare, Yahoo Weather**, and various **SMS Services**. I was responsible for transferring and checking the stability of the data for more than one million rows daily. I was involved in **DB Design**, setting up and validating **Cronjobs**, and **Server Management** on platforms like **Amazon Web Services** and **Digital Ocean**. My technical proficiencies also extended to using **VCSs** like **Git, SVN**, utilizing frameworks such as **Laravel, October**, serving and connecting **WSDL, REST**, implementing **Unit Testing**, and having **Agile Development Experience**. Additionally, I mastered **Front-end Technologies** including **HTML, CSS, Javascript, JQuery, JQuery UI, CDNs, CSS Bootstrap**.

Manifaktüre Web Developer (İstanbul, 2013 April, 2013 July)

During my tenure as a **Web Developer** in **Manifaktüre** (İstanbul, 2013 April to 2013 July), I engaged in the **development of Facebook Apps** for clients such as **Selpak, Total**, and others. My role involved the **usage of frameworks** like **Codeigniter, CakePHP**, and I extensively focused on **Backend development** employing **Object Oriented Programming**. This is the first place I made an object design.

Youthmedia Web Developer (İstanbul, 2012 September, 2013 March)

At **Youthmedia** (İstanbul, 2012 September to 2013 March), I served as a **Web Developer**, focusing on the **development of webpages** and **Facebook Apps** for various companies and governmental agencies. I worked with prominent clients such as **TEB, THY** and **the Ministry of Youth and Sports.** An integral part of my experience was the **attendance at the Microsoft Application Acceleration Program** on **Metro Apps HTML5 & CSS** in **Dubai (Sept 2012)**, where I gained valuable insights into cutting-edge technology and development methodologies in an international area.

Middle East Technical University, Faculty of Architecture Web Developer (İstanbul, 2012 September, 2013 March)

During my time as a **Web Developer** at the **Middle East Technical University, Faculty of Architecture** (Ankara, 2012 May to 2012 August, under the guidance of Prof. Dr. Neriman Şahin Güçhan), I was actively involved in the **design and development** of nemrut.org.tr. (Nemrut is an archeological place in southeastern anatolia, please check web page for more information.) This experience enabled me to master various front-end technologies, such as the **Bootstrap CSS Library** for styling and the **GMap3 JS Library** for pinpointing the locations of historical ruins on the site's interactive map.

BC Institut Türkiye Web Developer (Ankara, 2011 May, 2012 February, Ref: Timuçin Demir)

Serving as a **Web Developer** at **BC-Institut Türkiye** in Ankara from May 2011 to February 2012, I took an active part in various development projects. My responsibilities included creating an **Online Stock Reporting System** using **PHP & MySQL**, implementing a **Cash Flow Reporting System** with the same technologies, and developing a **Customer Relations Management System** leveraging **PHP, MySQL, JQuery, JQuery UI**, and other JavaScript frameworks. Additionally, I successfully integrated **SMS API** and **VMS API** into the systems, demonstrating my expertise in connecting various platforms and technologies.

V-Count Web Developer (Ankara, Former name was KADE, 2010 June, 2011 February, Ref: Kaan Kayabalı)

I worked as a **Web Developer** at **V-Count** (formerly known as KADE) in Ankara from June 2010 to February 2011. During my time there, I was responsible for the **graphics design** of the report interface, using **Photoshop**, and for the **frontend design of the reporting pages,** and **data updates**, including graphs and charts, utilizing **JQuery** and other JavaScript libraries. I handled **backend data** that came from **PHP** and **MySQL**, and I started working with complex queries for the first time. This experience provided me with a solid foundation in both front-end and back-end development. This allowed me to develop a comprehensive understanding of the web development process.

Early Works

My **Early Works** have a special place in my heart and represent my evolution as a software developer. My journey began with my **first web page** created in 1999 using **HTML** with **iFrame**, dedicated to Barış Manço who died the very same year. During high school, I contributed to the **World Links Project** for global high school connectivity, funded by the World Bank. I earned an AA in **Introduction to C Programming** in university and was actively involved in **Hoccam.com**, one of Turkey's largest social media websites at that time. My work included the **first digital archive** for the famous Cumhuriyet Newspaper and printed design projects using **Photoshop**. I had the privilege of gaining 3 months of face to face with customer work experience in **New York City, USA** by Work and Travel J1 Visa, which made my English fluent. Actively participated in the code and maintenance of the Middle East Technical University Student Newspaper, **GAZETEODTÜLÜ** which has had a huge number of visitors for four years. Additionally, I developed **more than 50 corporate web pages** between 2005 and 2010, enhancing my skills and passion for web development.

Certificates

Online Education Certificates

I have invested heavily in my professional development by pursuing various **Online Education Certificates**. My focus has been on modern and relevant technologies, such as **User Experience for Web Design**, **Webpack 4**, **Amazon Web Services (AWS)**, **Docker**, and **React.js**. I have also developed my skills in specialized areas such as **SEO for e-commerce**, **Conversion Rate Optimization**, and **Branding**. My expertise in **PHP** is reflected in certifications on its **new features, design patterns, object-oriented programming, unit testing,** and integration with various frameworks like **Laravel**. Further, I've expanded my knowledge with certifications in **NoSQL Databases**, **Linux for PHP Developers**, and tools such as **PEAR, PECL, and Composer**. These diverse certificates represent my commitment to staying abreast of the latest industry trends and technologies.