Mustafa Volkan Oluç

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Personal statement

As a Senior Software Engineer with 7 years of experience, I specialize in building end-to-end products with a strong emphasis on scalability, clean architecture, and test-driven development (TDD/BDD). I have worked in various industries, including fintech, high-traffic B2C applications, and e-commerce, allowing me to adapt quickly to new domains.I thrive in strong engineering cultures, valuing mentorship, collaboration, and continuous learning. My expertise spans PHP (Symfony), TypeScript (NestJS), relational and NoSQL databases (MySQL, PostgreSQL, MongoDB), and AWS cloud services. I enjoy working closely with Product teams to develop solutions that create real business impact.I am seeking a Senior Engineer role where I can contribute technical leadership, system design expertise, and mentorship, while being part of a team that values trust, open communication, and continuous improvement.

Senior Software Engineer -- BilginPro (1 January-2025)

High-Traffic | News Platforms

BilginPro provides infrastructure solutions for high-traffic news websites, enabling scalable and efficient content management.

- Worked on a news site generation and management system, ensuring seamless content production and administration.

- Led PHP 8 and Laravel version upgrades, improving system performance and maintainability.

- Ensured stability of 900+ automated tests, enhancing system reliability.

- Managed database seeding strategies, optimizing data integrity for development and production environments.

- Contributed to the integration of third-party libraries, enhancing platform capabilities.

- Set up ELK Stack (Elasticsearch, Logstash, Kibana) for real-time logging and monitoring.

- Designed and implemented CI/CD pipelines, automating deployments and improving development workflow

Senior Software Engineer -- Chargebacks911 (3 July-2023 - 1 August-2024)

Fintech | High-traffic B2B platform | Payments & Disputes

Chargebacks911 provides chargeback and fraud prevention solutions for banks and merchants.

- Led the migration of 10+ services from PHP7 to PHP8 and Symfony5 to Symfony6, improving maintainability and performance.

- Developed service-oriented architectures (SOA) and improved Elasticsearch & MySQL queries, reducing query execution times.

- Advocated for TDD & BDD, implementing PHPUnit and Behat to increase test coverage and reduce bugs by 80%.

- Built multiple AWS Lambda functions using Node.js for event-driven processing.

- Designed and developed new API endpoints, focusing on high availability and security.

Software Engineer -- 24saattels (December-2020 - December 2022)
B2C Job Marketplace | Mobile & Web | High-traffic

A platform connecting job seekers and employers with real-time matching algorithms.

- Led the transformation from PHP to a microservice architecture in TypeScript (NestJS monorepo).

- Built SQS and AWS SQS-based event-driven systems, improving system resilience.

- Migrated MySQL relational data to PostgreSQL for better scalability.

- Developed PHP-Symfony api's for legacy project and e2e tests implemented with %90 code coverage

- Integrated third-party services: Firebase notifications, Twilio SMS, Stripe Payments.

- Implemented E2E test automation using TypeScript, Appium, and Cucumber, improving system reliability.

Software Engineer -- Enuygun.com (April-2019 - October-2020)
Travel Aggregator | High-Traffic | Payments & Bookings

One of Turkey's largest travel platforms, providing flight, bus, and hotel bookings.

- Led backend development of hotel booking APIs with performance optimizations.

- Integrated multiple payment gateways for a seamless checkout experience.

- Led the backend rewrite for the mobile application, improving speed and maintainability.

- Worked entirely with PHP Symfony stack, using MySQL, Redis, Memcached, Varnish, and Elasticsearch for scalable solutions.

Software Engineer -- PATH Internet (October-2018 - March-2019)
E-commerce & Consulting | B2C & B2B Solutions

- Led backend development and Shopify integrations for multiple clients.

- Evaluated and implemented new technologies for client projects.

- Developed full-stack solutions using PHP Symfony, jQuery, and JavaScript.

QA Engineer -- ModaCruz (Jul 2017 – October 2018)
Marketplace | High-Traffic | Automated Testing

- Developed automated test suites for the entire e-commerce platform using Appium & Selenium.

- Built a price comparison web scraper in Python & Java, collecting competitor data.

Education

Tekirdag Namik Kemal University-Computer Engineering(2015-2020)-Grade: 2.5