Kerem Bozkurt

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Professional Summary

Software Engineer and Technical Lead with hands-on production experience in architecting, deploying, and scaling full-stack applications and microservices. Proven ability to establish robust engineering cultures encompassing strict PR reviews, automated CI/CD pipelines, and proactive security testing. Highly experienced in asynchronous architectures, API integrations, and infrastructure management. Adept at leveraging modern debugging tools, AI coding assistants, and cloud/VPS environments to deliver highly optimized, resilient, and scalable end-to-end software solutions.

Experience

Co-Founder & Chief Technology Officer (CTO) Feb. 2024 – Present
Lastikkent A.S. *Ankara, Turkiye*

- Architected and directed the overarching system infrastructure and engineering strategy for a high-traffic B2B/B2C automotive e-commerce platform.
- Migrated infrastructure from Digital Ocean App Platform to self-managed Netcup VPS servers using Docker, Kubernetes, and Docker Swarm, reducing monthly infrastructure costs by ∼30% and ensuring 99.9% uptime.
- Established strict engineering standards: zero direct-to-main merges, mandatory PR reviews assisted by GitHub Copilot and Claude Code, and comprehensive unit/feature testing enforced within CI/CD (GitHub Actions) pipelines.
- Configured automated API testing workflows with dynamic token management via Postman, and utilized Burp Suite to conduct regular security and vulnerability assessments.
- Integrated and maintained cloud services and observability stacks, including AWS (SES, Secrets Manager), Prometheus, Grafana, and Loki for proactive system monitoring.

Software Engineering Intern Aug. 2025 – Sep. 2025
RAMSA Defence & Aerospace *Ankara, Turkiye*

- Developed an asynchronous communication pipeline between distinct MySQL/MSSQL servers, implementing load testing with k6 to ensure high throughput, successfully handling up to 5,000 requests per second (RPS) with zero data loss.
- Built a modern .NET full-stack Pomodoro application to solidify understanding of enterprise-level software architecture and backend communication concepts.

Software Engineer Intern Jun. 2025 – Jul. 2025
Turkish Employment Agency (ISKUR) *Ankara, Turkiye*

- Engineered an ELK Stack (Elasticsearch, Logstash, Kibana) log analytics solution, deploying it to a VPS droplet with automated continuous deployment (auto-deploy) capabilities to analyze over 1M+ daily log events.
- Gained hands-on experience in centralized logging, monitoring, and analyzing large-scale operational data.

Communications Officer Aug. 2024 – Jun. 2025
Gazi University AI Society *Ankara, Turkiye*

- Led communication strategies and facilitated teamwork across multiple AI-driven university projects.

Projects

Lastikkent.com Core Platform | *Laravel, Next.js, Zustand, Redis, Meilisearch* Feb. 2024 – Present

- Evaluated frontend state management requirements through iterative prototyping, ultimately adopting Zustand and Optimistic UI patterns to deliver a highly responsive, low-latency user experience.
- Architected checkout flows using the Pipeline pattern and integrated multiple payment gateways (iyzico, PayTR) via the Strategy pattern for scalable dependency management.
- Developed "provider-product-sync," an asynchronous background bot using Redis Pub/Sub, queues, and API scraping to process 50,000+ products and maintain real-time tire wholesaler pricing with <2s latency.
- Optimized database performance by mitigating N+1 query bottlenecks and integrating Meilisearch, decreasing average API response times from ∼800ms to <50ms.
- Employed deep debugging methodologies in production using Laravel Telescope and Xdebug.

EasyRefund SaaS API | *Distributed Systems, Laravel, RESTful APIs* 2026

- Co-developed a distributed, Laravel-based return management API adhering strictly to industry-standard REST architectures.

- Source: github.com/Emirhannz/EasyRefund

Async Database Communicator & Load Tester | *.NET, k6, MSSQL, MySQL* 2025

- Created an asynchronous communication architecture bridging different SQL servers, rigorously tested under load using k6.
- Source: github.com/keremTheDev/async-mssql-communication

QuakeSafe | *Flutter, MongoDB, Open-Source Scraping, NoSQL* 2025

- Built a mobile application to map and route users to official earthquake safe zones using Flutter.
- Forked a public open-source repository to create a custom scraper, adhering to zero-dependency principles, to populate a custom MongoDB database.
- Source: github.com/keremTheDev/QuakeSafe

Education

Gazi University Ankara, Turkiye
Bachelor of Science in Computer Engineering *Expected 2026*

Ankara Ataturk High School (AAL) Ankara, Turkiye
High School Diploma | Member of MunAAL *Graduated 2021*

Technical Skills

Languages: PHP, JavaScript/TypeScript, C#, Python, C/C++, SQL, Dart
Frameworks & Libraries: Laravel, Next.js, Zustand, .NET, Flutter
Cloud, DevOps & SRE: Docker, Kubernetes, CI/CD pipelines, GitOps, VPS management (Netcup, DigitalOcean), Prometheus, Grafana, ELK Stack
Databases & Search: MySQL, MSSQL, MongoDB, Redis, Meilisearch, Elasticsearch
Architecture & Engineering: Asynchronous architecture, Microservices, RESTful APIs, Pub/Sub, Queue management, Pipeline & Strategy Patterns, DI, Optimistic UI
Tools & Workflows: Git (PR reviews), Postman, Burp Suite, k6, Xdebug, Telescope, AI Assistants (Cursor, Claude, Copilot), AWS