FURKAN COMOGLU

Senior Full-Stack Engineer

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SUMMARY

Senior Full-Stack Engineer with 10+ years of experience designing, scaling, and delivering high-traffic web platforms, multi-tenant SaaS applications, and distributed microservices from architecture to production. Experienced across marketplaces, e-commerce, CRM, and B2B travel systems. Combines deep backend architecture (Java/Spring Boot, PHP/Symfony, Node.js, PostgreSQL) and modern frontend delivery (React, Vue.js, TypeScript) with AI-assisted development workflows, Clean Architecture, and technical mentorship. Open to Senior Full-Stack Engineer and Tech Lead roles.

TECHNICAL SKILLS

Backend: PHP (Symfony, Laravel), Java (Spring Boot), Node.js, RESTful APIs, SOAP, Webhooks

Frontend: React, Vue.js, TypeScript, JavaScript, jQuery

Data & Search: PostgreSQL (Sharding, Partitioning, Replication), MySQL, MongoDB, Google BigQuery, Elasticsearch, Redis

Architecture & Testing: Microservices, Event-Driven Architecture (EDA), Clean / Onion Architecture, OOP, SOLID, Design Patterns, Outbox Pattern & Idempotency, Rate Limiting & API Gateways, Unit & Integration Testing (PHPUnit, JUnit, Jest)

Cloud, DevOps & Caching: AWS, Docker, Git, GitHub Actions, Drone CI, RabbitMQ, Varnish, HTTP Caching, Cloudflare CDN, AI-Assisted Development

EXPERIENCE

Senior Full-Stack Engineer July 2025 - July 2026
Dugun.com *Istanbul, Turkey (Remote)*

- **Marketplace Core & End-to-End Delivery:** Architected, developed, and maintained critical features across high-traffic marketplace modules including core APIs, Website Backend, Website UI, CRM, and internal admin panels using PHP (Symfony), TypeScript, React, and Vue.js.
- **Major Framework Upgrades & Code Quality:** Spearheaded major Symfony version upgrades across both API and Website Backend services, enforcing strict code quality, automated unit and integration testing (PHPUnit, Jest), and maintainability through static analysis tools, systematic refactoring, and architectural improvements.
- **Multi-Layer Caching & High-Traffic Performance:** Dramatically improved response times and platform scalability by designing multi-layer caching strategies utilizing Redis, HTTP caching, Varnish, and Cloudflare CDN, alongside Elasticsearch search optimizations.
- **Data Analytics, Reporting & Polyglot Persistence:** Built data reporting pipelines and managed complex data workloads across relational (MySQL), NoSQL (MongoDB), and cloud data warehouse (Google BigQuery) systems.
- **Cloud Infrastructure & CI/CD:** Managed and deployed scalable production workloads on AWS infrastructure, streamlining automated build and release pipelines using Docker and Drone CI.

Senior Full-Stack Engineer July 2022 - July 2025
next4biz *Istanbul, Turkey (Hybrid)*

- **Core Product & API Development:** Architected and delivered scalable RESTful APIs, webhooks, and third-party integrations for a multi-tenant SaaS CRM platform using PHP (Symfony), leveraging RabbitMQ for asynchronous event-driven messaging and background processing.
- **Database Architecture, Scaling & Advanced Reporting:** Managed large-scale relational (PostgreSQL) and NoSQL (MongoDB) databases implementing sharding, replication, table partitioning, and routine maintenance (VACUUM, indexing) while authoring complex, high-performance PostgreSQL queries for custom CRM reporting modules.
- **Search & Caching Performance:** Accelerated data retrieval and real-time search capabilities by implementing distributed caching with Redis and full-text search indexing with Elasticsearch.
- **Legacy Modernization & Containerization:** Led refactoring initiatives applying Clean Architecture and design patterns, improving system maintainability and reliability through unit/integration testing, CI/CD quality gates, and standardized Docker workflows.

- **Technical Mentorship & Onboarding:** Mentored interns, mid-level engineers, and newly joined senior developers through code reviews, architectural guidance, and pair programming, accelerating domain onboarding and upholding team-wide engineering standards.
- **Security & Full-Stack Execution:** Proactively patched zero-day vulnerabilities to ensure enterprise-grade security, and contributed to frontend feature delivery across React, JavaScript, and jQuery codebases for end-to-end product execution.

Senior Full-Stack Engineer October 2020 - June 2022
Sefamerve *Istanbul, Turkey (Remote)*

- **E-Commerce Core (C-Commerce):** Actively drove architectural decisions and system design for the core e-commerce backend microservice (c-commerce) using PHP, Laravel, and MySQL, establishing the central data and business logic backbone for both customer-facing frontends and internal services.
- **High-Traffic Optimization & Search:** Architected caching and search strategies to handle high e-commerce traffic, significantly improving catalog search speed and API response times with Redis and Elasticsearch.
- **Real-Time Messaging Microservice (LilaChat):** Co-designed and developed the real-time chat microservice (lila-chat) built with Node.js, defining inter-service communication patterns with the core e-commerce API to ensure low-latency customer interactions.
- **End-to-End Frontend & Containerization:** Delivered interactive user interfaces using React and JavaScript across both modules, while standardizing Docker containerization strategies to streamline microservice deployments and environment consistency.

Senior Full-Stack Engineer May 2017 - October 2020
TRS GROUP *Istanbul, Turkey*

- **B2B Travel Booking Platform (End-to-End Delivery):** Architected, developed, and maintained a web-based B2B booking platform serving travel agency partners, delivering end-to-end reservation workflows, search capabilities, and partner integrations using PHP (Laravel) and Vue.js.
- **Internal CRM System & Operational Automation:** Engineered and maintained the company's internal CRM application using Java (Spring Boot) and jQuery, automating partner management, customer tracking, and internal reporting workflows.
- **Database Architecture & Caching Optimization:** Designed relational (MySQL) and NoSQL (MongoDB) data models to support complex travel inventory and CRM records, implementing Redis caching to accelerate high-frequency search and booking queries.
- **Cloud Deployment & Containerization:** Standardized local development and production release cycles using Docker containers deployed on AWS infrastructure, ensuring reliable uptime and maintainability across both platforms.

Full-Stack Engineer January 2013 - May 2017
Freelance *Remote*

- **End-to-End Custom Web & E-Commerce Solutions:** Designed, developed, and deployed full-stack e-commerce platforms, custom CRM systems, and corporate web applications from scratch for diverse clients using PHP, Java (Spring Boot), React, and Vue.js.
- **Third-Party API & Legacy Protocol Integrations:** Built and integrated REST / RESTful APIs and SOAP web services to connect payment gateways, ERP systems, and external third-party platforms seamlessly.
- **Database Design, Caching & Cloud Hosting:** Architected relational database schemas using PostgreSQL and MySQL, implemented Redis caching for improved application responsiveness, and managed production deployments on AWS.

Software Engineering Intern January 2010 - January 2011
Setur *Istanbul, Turkey*

- **Web Application Support & Maintenance:** Assisted the software engineering team in developing, testing, and maintaining corporate web applications and customer-facing websites during a 1-year technical internship.

EDUCATION & LANGUAGES

Anadolu University September 2020 - Present
B.S. in Management Information Systems *Turkey*

Sakarya University Graduated 2020
Associate Degree in Computer Programming *Sakarya, Turkey*

Languages: Turkish (Native), English (Intermediate, B1)