Şakir Şensoy

Software Architect | Technical Lead | Backend, Distributed Systems & AI-Assisted Engineering

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SUMMARY

Software architect and technical lead with 12+ years of hands-on backend engineering across payments, e-commerce and SaaS (Go, PHP/Laravel, Node.js, Python; AWS, Kubernetes). Delivered BiTaksi's monolith-to-microservices migration on AWS EKS and drove legacy payment modernisation at PayTR. Led 30 people across two teams at Akinon and a 10-person team at BiTaksi. As a founder, grew Upmoni to 20 paying customers and took Efficense to a 10-customer pilot. Builds with AI coding agents (Claude Code) using test-first workflows. Open to on-site or hybrid roles in Istanbul, Kocaeli, Izmir and Ankara, and to remote roles.

SKILLS

Programming languages: Go (Golang), PHP, Node.js, TypeScript, JavaScript, Python, C# (.NET)

AI-assisted engineering: Claude Code (subagents, skills, hooks), OpenAI Codex, agentic and test-first development

Architecture: Software architecture, system design, microservices, modular monolith, event-driven systems, REST, gRPC, legacy modernisation

Cloud & DevOps: AWS (EKS, EC2, Lambda, SQS, S3, DynamoDB), GCP Cloud Run, Docker, Kubernetes, GitHub Actions, Pulumi, Grafana

Data & messaging: PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Kafka, RabbitMQ, SQS, Celery, Airflow

Frameworks & testing: Laravel, Django, ASP.NET Core, Express, React, Angular; xUnit, Testcontainers, Playwright, Jest, TDD

Domains & leadership: Payment systems, virtual POS, Stripe, e-commerce, SaaS; team leadership, mentoring, hiring, coding standards

PROJECTS

Pinuga: multi-tenant e-commerce SaaS | Personal venture | Sep 2026 - Present

- Building a multi-tenant e-commerce SaaS, re-platformed from a Laravel prototype to a .NET 10 modular monolith (ASP.NET Core, EF Core, PostgreSQL, React) on Google Cloud Run with Pulumi.
- Designed an autonomous Claude Code agent workflow: operating rules, 400+ architecture decision records, a reviewer subagent, guard hooks and a PR-report skill; agents ship each feature as a test-first PR.
- Quality gates in GitHub Actions: 600+ tests (xUnit with Testcontainers, Vitest, Playwright), a 92% coverage gate and analyzers as errors; about 400 commits in the first 10 days.

WORK EXPERIENCE

Software Architect | PayTR | Nov 2025 - Jun 2026

- Software Architect on the core payment platform of PayTR (110,000+ merchants), reporting to the CTO and the Engineering Manager.
- Drove modernisation of the legacy PHP payment application and worked on architectural issues in the main database and across projects.
- Defined shared coding standards for multiple teams and improved logging systems across projects (Grafana, Kafka, Kubernetes).

  Tech: PHP, Laravel, MySQL, MongoDB, Kafka, Kubernetes, Grafana

Co-Founder & CTO | Efficense | Nov 2023 - Jul 2025

- Owned technical direction and the roadmap of a SaaS platform analysing software licence, hardware and cloud usage, from MVP to a 10-customer pilot.
- Designed event-driven Go microservices on MongoDB Time Series and AWS (SQS, S3, EC2) to process high-volume usage data.
- Built an Electron Windows agent with Azure AD and Google Workspace onboarding, React dashboards and RBAC-protected APIs; automated deployments with Docker and GitHub Actions and coordinated part-time developers.

  Tech: Go, MongoDB, Electron, React, AWS (SQS, S3, EC2), Docker, GitHub Actions, Azure AD

Founder | Upmoni | Dec 2022 - May 2025

- Built an uptime-monitoring and public status-page SaaS end to end and grew it to 20 paying customers running 100 monitors.

- Designed a multi-region Go monitoring engine running concurrent HTTP/HTTPS, TCP and ICMP checks on a fault-tolerant AWS SQS worker architecture.
- Developed REST APIs, email/SMS/webhook alerts and a React/Mantine dashboard; shipped Go services on AWS App Runner with CI/CD in GitHub Actions.

  Tech: Go, MongoDB, AWS SQS, AWS App Runner, React, Docker, GitHub Actions

Technical Lead | **Akinon** | Aug 2022 - Nov 2022

- Led two Python/Django development teams totalling 30 people at Akinon, an omnichannel commerce platform serving retail brands across 17 countries.
- Planned brand-specific platform customisations, allocated work across teams, tracked delivery and contributed to test-automation performance.

  Left to found Upmoni.

Software Development Team Lead | **Meditopia** | Sep 2021 - Aug 2022

- Led the PHP backend team of Meditopia, a meditation app with 14M+ users in 75 countries, owning delivery, mentoring, technical interviews and onboarding; ran hands-on Go training for the team.
- Migrated the legacy PHP API to Laravel to improve maintainability and scalability; automated deployments with GitHub Actions.
- Optimised AWS resources and access permissions; improved the reliability of AWS Lambda functions processing Stripe payment events.

  Tech: PHP, Laravel, Go, AWS Lambda, Stripe, GitHub Actions

Software Development Team Lead | **BiTaksi** | Jul 2020 - Aug 2021

- Led a 10-person JavaScript/Node.js full-stack team and ran hiring and technical interviews at BiTaksi, a taxi-hailing app that carried 48M+ passengers in its first eight years.
- Planned and implemented the migration of a Heroku-hosted monolith to microservices, deployed on AWS EKS with Kubernetes.
- Designed the Go and AWS SQS architecture of GetirBiTaksi, the taxi-hailing service integrated into the Getir app.
- Moved MongoDB hot spots to DynamoDB, legacy servers to AWS EC2 and cron jobs to Apache Airflow; set up CI/CD with GitHub Actions.

  Tech: Node.js, Go, AWS (EKS, EC2, SQS, DynamoDB), Kubernetes, MongoDB, Airflow, GitHub Actions

Software Architect | **Metglobal (Paytrek)** | Feb 2019 - Jun 2020

- Joined the Paytrek online payments platform as a Senior Software Developer and was promoted to Software Architect within five months; owned the main Django application.
- Built payment-system and virtual POS integrations, background processing with RabbitMQ and Celery on PostgreSQL and Redis, and a TypeScript checkout page with Jest tests.
- Planned the move to microservices to improve stability and scalability, and provided technical guidance on Go service development.

  Tech: Python, Django, Go, TypeScript, PostgreSQL, Redis, RabbitMQ, Celery, AWS

Founder | **Rubicio** | Sep 2017 - Jan 2019

- Designed and built a chatbot development platform selected for the Albaraka Garaj accelerator: NLP services (entity recognition, spelling correction, ML text classification), Node.js/PHP backend, Angular UI and Messenger/Skype integrations on Google Cloud.

Senior Software Developer | **Etiya** | Jul 2016 - Sep 2017

- Built a PhantomJS web crawler, NLP/ML-based product categorisation and Angular dashboards for Comperan, a competitor price-monitoring product on AWS, and for the Serdoo messaging platform.

Senior Software Developer | **Positive - A Digital Approach** | Oct 2013 - Jul 2016

- Developed e-commerce platforms for Koçtaş, ToyzzShop and Bidolubaskı with EST, PosNet and Garanti virtual POS integrations, plus SAP, Microsoft Dynamics and IBM Silverpop web-service integrations (PHP, Node.js, Laravel).

EDUCATION

Bachelor's Degree, Management Information Systems | Anadolu University | 2016 - 2021

Associate Degree, Computer Programming | Atatürk University | 2013 - 2015

LANGUAGES

Turkish (Native), English (Limited working proficiency)