

Guven Kemal

Senior Software Engineer

Full Stack Product Engineering · Developer Tools · AI Workflows

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Software engineer with 10+ years of experience building production web applications, developer tools, internal platforms and collaboration systems. Experienced across React, TypeScript, Next.js, Go, Node.js, PostgreSQL and distributed services. Passionate about developer productivity, AI-assisted software development and creating intuitive user experiences that help teams collaborate and deliver software more effectively.

DEVELOPER TOOLS & AI

- Daily user of Codex, Cursor, ChatGPT, Claude Code and local LLMs.
- Design and implement agent-assisted software development workflows.
- Experience evaluating local and hosted LLMs for coding, planning, debugging, documentation and code review.
- Strong interest in AI systems, autonomous agents, model evaluation and developer tooling.

TECHNICAL SKILLS

Frontend	React, TypeScript, Next.js, React Native, Redux, Tailwind CSS, HTML5, CSS3, Responsive Design
Backend	Node.js, NestJS, Go, FastAPI, Python, PostgreSQL, WebSockets
Engineering	CI/CD pipelines, system design, service ownership, production support, testing (Jest, Cypress), UNIX/Linux & macOS, networking, virtualization, developer tooling

WORK EXPERIENCE

Senior Full Stack Developer · **MPCH** Jan 2022 – Present

- Named inventor on a patent-pending cryptographic key rotation system developed for digital asset custody infrastructure.
- Designed and delivered full-stack applications for wallet management, transaction policies, approval workflows, access control and auditing.
- Built React and TypeScript UIs alongside NestJS backend services and PostgreSQL databases.
- Led design and implementation of cryptographic key lifecycle and rotation systems for security-critical digital assets.
- Developed internal tooling and automation services in Go that reduced manual operational tasks and improved developer productivity.
- Contributed to migration from monolithic systems toward service-oriented architecture; owned features from requirements through deployment and operational support.

Full Stack Developer · **Genesis Custody** Nov 2020 – Jan 2022

- Built backend services and APIs supporting digital asset trading, wallet creation and transaction processing.
- Designed PostgreSQL schemas and application services for security-sensitive financial workflows.
- Integrated Google Cloud services including KMS and Pub/Sub for secure key management and asynchronous processing.

Senior Frontend Developer · **Play Retail** Jan 2020 – Nov 2020

- Primary frontend engineer delivering production kiosk applications, dashboards and customer-facing interfaces for global brands including Disney, Gucci, Red Bull and Philip Morris.
- Designed modular TypeScript architectures for highly reliable applications operating in retail environments.
- Built responsive, production-grade user experiences focused on usability, maintainability and performance.

Frontend Developer · **Flexy** Aug 2017 – Jan 2020

- Developed React and React Native applications used by workers, hirers and internal operations teams.
- Built iOS and Android apps for discovering work, managing schedules and tracking assignments.
- Developed web applications for job management, invoicing and worker onboarding; contributed to growth from startup through acquisition by the Impellam Group.

Frontend Developer · **Lindar Media** May 2016 – Aug 2017

- Built React applications and customer-facing web products from concept through production.
- Led frontend development of a bingo comparison platform using React and Redux.

SELECTED PROJECTS

Embernet

Open-source federated communication platform inspired by IRC, Reddit and Git — signed messaging, append-only logs and peer-to-peer synchronization.

MetaMint

Real-time NFT analytics platform using OpenSea streaming APIs with live dashboards.

AI Mood Tracker

AI application exploring embeddings, vector databases and personalised insights.

Equatize

Tokenized franchise funding platform. Built with Next.js, Supabase and PostgreSQL.

BeamNG Telemetry Platform

Self-hosted real-time telemetry platform for BeamNG.drive with live data streaming.

EDUCATION

BSc (Hons) Computer Science — Kingston University