Richard Solar

Senior Full-Stack Engineer · mail@richard.solar · Žilina / Remote

Summary

Senior Full-Stack Engineer with 10+ years of experience building and owning scalable web systems in healthcare and fintech/Web3 domains. Designs backend architectures, leads system-level initiatives, and delivers production-ready platforms from concept to deployment. Strong focus on reliability, data integrity, performance, and long-term maintainability.

Experience

Galeon — Senior Software Engineer

Annecy · April 2023 – Present

Atlantis — Greenfield Web3-Enabled Healthcare Platform (atlantis.galeon.care)

Node.js, TypeScript, Fastify, Next.js, MongoDB, Redis, Docker, Stripe, Strapi, Fireblocks, Mongoose, Grafana, OpenAPI, Sentry, GitLab

- · Designed backend architecture and API contracts from scratch.
- · Implemented REST APIs with end-to-end type safety (Next.js frontend).
- · Integrated Stripe payments, Strapi CMS, Fireblocks, and KYC/email/SMS services.
- · Established validation, logging, and deployment workflows for production readiness.
- · Delivered production-ready backend foundation from architecture to deployment.

Electronic Health Record (EHR) System for Hospitals (galeon.care)

Node.js, TypeScript, Express, Fastify, MongoDB, PostgreSQL, Redis, RabbitMQ, Docker, Grafana, Kibana, ELK Stack, GitLab, React, Vite, Mongoose

- · Designed and maintained Node.js microservices (Express/Fastify).
- · Owned REST APIs integrating hospital workflows and third-party systems.
- · Modeled and optimized data in MongoDB and PostgreSQL.
- · Implemented asynchronous workflows using RabbitMQ and background processing.
- · Refactored legacy services to improve modularity, observability, and reliability.
- · Managed Dockerized deployments and production monitoring.

Sudolabs — Software Engineer

Košice · May 2022 – April 2023 · sudolabs.com

Node.js, TypeScript, Next.js, PostgreSQL, GraphQL, TanStack Query, Redis, Prisma, TypeORM, Chakra UI, Tailwind CSS, Styled Components, Vercel

- · Built full-stack production applications using Next.js and Node.js.
- · Designed REST APIs and database models.
- · Led backend delivery for a Web3-focused product.
- · Contributed to architectural decisions and cross-project standards.
- · Successfully integrated smart contract interactions and third-party services.

Goodrequest — Backend Engineer

Žilina · December 2016 – May 2022 · goodrequest.com

Node.js, TypeScript, Express, MongoDB, PostgreSQL, Redis, RabbitMQ, Docker, Nginx, Rancher, React, Figma

- · Developed scalable APIs using Express.js.
- · Took ownership of backend services and infrastructure configuration.
- · Implemented CI/CD workflows to improve deployment reliability.
- · Diagnosed and resolved complex production issues.
- · Mentored developers and supported hiring and onboarding.

Tech Stack

- · Backend: TypeScript, Node.js, Fastify, Express, REST, Microservices, Docker, Nginx, BullMQ, RabbitMQ
- · Frontend: React, Next.js, TanStack Query, Vite, Tailwind CSS, tRPC, GraphQL
- · Databases: MongoDB, PostgreSQL, Redis, Prisma, Mongoose
- · DevOps: Docker, GitLab CI/CD, GitHub Actions, Grafana, Sentry, ELK Stack, Nginx
- · Testing: Vitest, Jest, Mocha, Sinon, Codecov
- · Dev Env: ESLint, Prettier, Biome, Husky, Zed, Claude Code, Git