

Taha Delroba

Software Engineer

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Summary

Software engineer specializing in Golang and NodeJS who architects and ships production-ready systems. Experienced in low-level optimization, building scalable infrastructure for data-intensive applications, and designing secure, high-performance backends. Driven by a passion for understanding core computer science and system internals from the ground up.

Experience

June 2025 – present **Technical Lead**, Saya Skycraft

- Unveiled our Air Taxi module to the Civil Aviation Authority, demonstrating on-demand flight booking, dynamic route optimization and real-time multi-vendor fleet integration
- Designed adapter-based notification system, enabling plug-and-play channels (SMS, e-mail, Mattermost, in-app) and future-proof upgrades
- Designed and implemented scalable solutions using a DDD approach
- Deployed and maintained Mattermost platform, developed custom plugins to extend it
- Conducted code reviews and mentored developers
- Developed and conducted technical interview questions to assess candidates expertise
- Prioritized backlog items and tracked progress to ensure the Definition of Done and on-time delivery.

Jan 2025 – June 2025 **Senior Software Engineer**, Saya Skycraft

- Developed backend services using Golang and NestJS
- Refactored legacy codebase (multi-vendor, multi-core) riddled with tech debt and security smells to hexagonal architecture, isolating vendor-specific protocols
- Worked with MongoDB, PostgreSQL, and RabbitMQ to support reliable data and messaging workflows
- Collaborated on full-stack features using Next.js
- Used gRPC to communicate between services
- Replaced hard-coded core-selection with runtime strategy pattern, enabling hot-swap between different payment gateways and notification channels
- Built robust and scalable payment gateway, handling daily amounts above the maximum allowed limit while maintaining zero data loss with partial payment
- Implemented document-based identity verification flow for different vendors
- Evolved CI pipelines (GitHub Actions, Docker)
- Managed production deployments via blue-green releases, keeping 99% uptime

June 2024 – Jan 2025 **Software Engineer**, SeedOn Nopayar

- Collaborated with multiple government agencies to design and integrate cross-agency service pipelines using Node.js and MongoDB
- Developed React-based interfaces for internal agency dashboards, streamlining data exchange workflows
- Compressed a one-year project scope into a one-month delivery by eliminating bottlenecks and optimizing legacy processes
- Optimized Docker images(3× smaller) and CI/CD builds(6× faster)

Feb 2022 – Jan 2024 **Web Developer**, Nilgam Safar

- Built and maintained Node.js backend services handling data synchronization and business logic
- Designed scalable database, applied indexing and caching to improve query performance by consistency and reliability using ACID transactions.
- Integrated backend APIs with Vue.js admin panel and Nuxt.js customer-facing platform
- Implemented web security best practices to prevent common vulnerabilities (XSS, CSRF, injection attacks)
- Resolved production issues and ensured on-time delivery through structured troubleshooting
- Gained experience with Redis and MongoDB for backend solutions
- Practiced Git/Git Flow and followed web security best practices

Education

Expected Sep 2026 **University of Science and Culture**, MS in Computer Engineering – Tehran, Iran

Sept 2024 **University of Tabriz**, BS in Computer Science – Tabriz, Iran

Hard Skills

Languages: Golang, TypeScript, Rust(Learning), Bash script

Frameworks/Libraries & Runtimes: Echo, Chi, NodeJS, NestJS, Express.js, Next.js, React

Communication Protocols: RESTful APIs, gRPC, WebSockets, Socket.io, SSE

Messaging - Queuing: RabbitMQ, BullMQ, Redis

Databases: Relational(PostgreSQL), NoSQL(MongoDB), In-memory(Redis)

Architectures: Event-Driven, Microservices, Clean, Hexagonal, N-Tired, MVC

Patterns: OOP, SOLID, Design Patterns(Creational, Behavioural, Structural), TDD

Containerization & Deployment: Docker, Docker Composes

CI/CD: Github Action

Version Control: Git, Git Flow, Github Flow

Web Server: Nginx

Automation: Makefile, Justfile, Bash Scripts

Operating Systems: Arch Linux, Ubuntu

Soft Skills

People / Relationship: Leadership, Team Motivation, Mentorship, Collaboration, Conflict Resolution, Emotional Intelligence

Communication & mindset: Open Mindedness, Learning

Thinking & reasoning: Problem Solving, Decision Making, Critical Thinking, Systemic Thinking

Execution / performance: Prioritization, Stress Management

Languages

Persian: Native

English: Intermediate (B2)