

Amin Abbasi

Lead Software Engineer | Full-Stack Architect (Backend-Heavy)

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Summary

A decade of experience building mission-critical digital foundations for FinTech, HealthTech, and ERP platforms. I specialize in transforming legacy monoliths into high-performance, event-driven microservices. I lead remote, cross-functional teams of 12 by aligning technical strategy with international standards (GDPR, FHIR, IATF). Focused on increasing engineering velocity while maintaining uncompromising system reliability for global market expansion.

Work Experience

Lead Software Engineer | Dannie.CC (Antalya, Turkey) | Jan 2025 – Present

(Promotion from Senior Backend Software Engineer)

- **Architectural Transformation and Velocity:** Led the migration of a legacy ERP/MES monolith into event-driven microservices, cutting feature delivery time from 1 month to 1 week and increasing operational scope by 40%.
- **Full-Stack Product Delivery:** Architected and fully implemented the MES frontend using React and Tailwind, while managing the development and bug-fixing of an in-house React Native HR mobile application.
- **Compliance and Technical Strategy:** Oversaw technical preparation for the ASELSAN Supplier Audit (71% score) and IATF 16949 readiness, ensuring software security and documentation met national defense and automotive standards.
- **Performance Engineering:** Used ArangoDB query tuning to achieve three-fold speed improvements (60 ms latency) and started cross-functional optimization sprints that cut peak-hour ERP response times by 35%.
- **Engineering Leadership and Mentorship:** Using CodeRabbitAI to coordinate code reviews, which speed up reviews by 50% and improve KPIs to prioritize quality, and mentoring junior engineers all contributed to a 20% increase in team output.

Senior Backend Software Engineer | Dannie.CC (Antalya, Turkey) | Dec 2023 – Jan 2025

- Engineered event-driven architecture, which established unit tracking on all production lines with nearly zero latency.
- Architected a Server-Driven UI (SDUI) framework using TypeScript and WebSocket, allowing the backend to dynamically render complex app modules and reducing frontend-side implementation and deployment needs by 80%.
- Optimized ArangoDB queries to reduce latency to 60 ms under high peak loads, increasing the ERP app's speed by 3 times.
- The core platform's migration to TypeScript reduced the onboarding time for future developers from 3 months to 1 month by removing architectural ambiguity and ensuring safety across complex data fragments.

Senior Backend Software Engineer | Actimi GmbH (Antalya, Turkey) | Dec 2022 – Dec 2023

- Built a secure tablet reassignment flow with automated data wiping, ensuring 100% GDPR compliance during device transfers.
- Optimized FHIR data models and PostgreSQL queries, cutting latency by 30% for integrations across hospitals and clinics.
- Standardized API validation and error-handling logic, reducing production bugs and ensuring almost 100% data integrity.
- Quickened daily development by optimizing Docker parameters to reduce deployment time from 15 minutes to 2 minutes.

Freelance Architect & Technical Consultant | Remote (US-based Clients) | Jun 2022 – Dec 2022 (6-month Contract)

- Contributed to enhancing 4 mid-tier cryptocurrency platforms by resolving 14 major architectural flaws and over 20 implementation issues, resulting in performance improvement.
- Designed and implemented secure OTC, P2P, and HD wallet solutions, reducing development costs by more than half.

Lead Software Engineer | DigiAlpha (Tehran, Iran) | Jun 2021 – Jun 2022

- Re-engineered microservices via RabbitMQ to sync real-time prices/balances, doubling throughput under heavy trading loads.
- Led the development of HD Wallet and 3-tier KYC, ensuring secure asset custody and full compliance with identity standards.
- Created a non-blocking trading engine for various orders, which improved matching speed and API response times by 30%.
- Scaled the team from 4 to 9 and established clean-code standards and Agile workflows to maintain high architectural integrity.
- Stepped in as a full-stack contributor during a critical resource gap to develop the React.js copy-trading dashboard, ensuring project velocity and meeting a high-stakes launch deadline.

Lead Backend Software Engineer | Mobisoft (Tehran, Iran) | May 2020 – May 2021

- Took charge of implementing a social networking platform across web, iOS, and Android, leading a 12-member team.
- Led project reviews and conflict resolution, ensuring consistent on-time delivery throughout weekly release cycles.
- Improved WebRTC signaling protocols for multi-party video conferencing, which increased the video calls' efficiency by 40%.

Backend Software Engineer | Irantom (Tehran, Iran) | Nov 2018 – Apr 2020

- Developed over 30 microservices for a web-based CRM, including auth, messaging, and multitenancy across MongoDB and ES.
- Developed React-based internal tooling to simulate microservice interactions, enabling non-technical stakeholders to validate API logic and integration flows early in the SDLC.
- Worked with a team of 16 developers to increase system stability and API response times by about 25%.

Backend Software Engineer | Goki (Tehran, Iran) | Mar 2016 – Sep 2018

- Promoted to a full-time backend engineer role after a 6-month internship to support high-growth client projects.
- Collaborated across 4 development teams to analyze and implement services based on client requirements.
- Developed, tested, and deployed 6-7 web projects using JavaScript, Hapi.js, and Redis, while meeting all delivery deadlines.

TECHNICAL SKILLS

- **Backend:** TypeScript | Node.js | NestJS | Express.js | API Design | Microservices | Clean Architecture
- **Database:** ArangoDB | PostgreSQL | MongoDB | Redis | Elasticsearch | MySQL
- **Frontend:** React.js | JavaScript | HTML | CSS | Tailwind
- **Real-time & Messaging:** WebSocket | Socket.io | RabbitMQ | Redis (Pub/Sub) | WebRTC
- **DevOps & Cloud:** Docker | GitLab CI/CD | Linux/Bash | Google Cloud (GCP) | AWS (EC2, S3)
- **Security & Testing:** OAuth2, JWT, RBAC | Jest, Mocha/Chai | TDD/BDD, Unit & Integration Testing
- **Tools & Methodology:** Agile/Scrum, SDLC, AI-Augmented Engineering (Copilot/Cursor/Gemini/Claude)

SOFT SKILLS

- **Leadership:** Cross-functional Team Scaling | Technical Mentorship | Driving a Culture of Engineering Excellence
- **Strategic Ownership:** High-Stakes Risk Mitigation | Audit Compliance | System Reliability Management
- **Communication:** Business-to-Technical Translation | Stakeholder Alignment | Cross-functional Collaboration
- **Change Management:** Agile & Scrum Optimization | KPI Definition | Establishing Code Review Standards

EDUCATION

Master of Science - Remote Sensing | Isfahan University | 2011–2013

- **Technical Focus:** Specialized in Digital Image Processing and Pattern Recognition
- **Impact:** Drove a mathematical approach to backend data precision by using C++, MATLAB, and other languages to create sophisticated algorithms for large-scale GIS and hyperspectral imagery.

LANGUAGES

English (Professional working proficiency) | **Turkish** (Upper-Intermediate) | **Persian & Azeri** (Native)