

Amin Tizdastazar

Senior Software Engineer

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Senior Backend Engineer with 10+ years of experience building scalable SaaS, POS, and fintech platforms using Node.js, TypeScript, and event-driven microservices. Strong track record of delivering high-performance APIs, improving system reliability, integrating complex third-party systems, and supporting end-to-end product delivery in fast-moving teams.

Hands-on builder experienced in multi-tenant backend systems, payment workflows, inventory/accounting integrations, and distributed systems powering thousands of merchants. Collaborative engineer who partners closely with product and QA teams to deliver resilient features quickly and maintain a high bar for code quality. Background with Angular and Java (Android) when needed.

Skills:

- **Backend:** Node.js, TypeScript, Express.js, REST APIs, SQL (MySQL), Event-Driven Microservices
- **Architecture & Platforms:** Multi-Tenant SaaS, Payment Workflows, Accounting Integrations, POS/ERP Systems, Inventory Systems, Cloud Printing & Kiosk Services
- **Cloud & Infrastructure:** AWS (EC2, IAM, SQS/SNS), GCP, Kafka, Docker, CI/CD (GitHub Actions), Monitoring & Observability
- **Frontend (Background Experience):** Angular; familiarity with Java (Android)
- **Engineering Practices:** SDLC, TDD, Code Reviews, CI/CD Pipelines, Agile/Scrum, Performance Optimization, Testing & Debugging

Professional Experience:

TAKU Canada Ltd, *Toronto, Canada* | **May 2022 - Present** | (Formerly TAKU Labs – acquired and rebranded)

Senior Software Engineer

- Developed and optimized backend services and APIs supporting thousands of merchants, improving system performance by **20%** and strengthening overall platform reliability.
- Built and integrated multi-tenant payment and accounting workflows to support post-acquisition scaling and merchant expansion.
- Delivered advanced payment integrations that increased transaction throughput and improved customer satisfaction by **50%**.
- Developed kiosk and cloud printing modules, enabling new product capabilities and improving client operational efficiency by **30%**.

- Improved code quality and stability through structured code reviews, better documentation, and expanded test coverage.
- Collaborated with product, QA, and engineering teams to deliver features on schedule, improving release predictability and reducing production issues.

TAKU Labs Ltd, Toronto, Canada | Apr 2018 - May 2022

Senior Software Engineer

- Built backend components for a cloud-based POS + ERP platform used by thousands of merchants, improving performance by **20%** and increasing customer satisfaction by **30%**.
- Designed microservices and event-driven workflows for inventory, checkout, product, and accounting modules.
- Integrated Shopify, QuickBooks, Magento, and Sage, expanding the platform's ecosystem and improving merchant adoption.
- Contributed to Angular frontend improvements to enhance usability and reduce onboarding friction.
- Managed CI/CD pipelines and Docker deployments across GCP, maintaining **99.9% uptime** and faster delivery cycles.
- Supported acquisition readiness through performance improvements, API refinements, and backend stabilization.

ACE POS Solutions, Toronto, Canada | Apr 2015 - May 2018

Software Engineer

- Built an Android-based barcode scanning app that improved multi-location inventory speed by **25%**.
- Integrated POS with eCommerce (Shopify, Magento) and accounting systems (QuickBooks, Sage), improving onboarding efficiency by **15%**.
- Modernized legacy backend components to improve system performance and maintainability.
- Implemented Agile development workflows, improving team productivity and release velocity by **25%**.
- Contributed to the early development of TAKU Labs, shaping core backend functionality and product foundations.

Sama Data Processing co, Tehran | Feb 2008 - March 2015

Software Engineer

- Developed a mini-ERP system with POS, inventory, and accounting modules for 2,000+ clients.

- Built Android-based order-taking applications and automation tools, increasing client sales by 300%.
- Participated in feature design, implementation, testing, and multi-site deployments for diverse clients.

Education:

Bachelor's degree in Computer Software Engineering, Tehran