

Jeremy Gavrilov

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EXPERIENCE

Software Development Engineer (Contract)

March 2023 – Present

Independent contractor delivering software for multiple clients under scoped agreements. Manage requirements, estimates, and change requests as a vendor, following a consistent process of discovery, development, testing, launch, and documented handoff.

Multi-Location Regional Retail Chain, Washington (Client Under NDA)

- Manage and maintain customer-facing marketing application, company websites, retail point-of-sale and inventory systems, and notification-based marketing platforms used across multiple locations.
- Integrate and maintain data flows between customer-facing applications, point-of-sale and inventory platforms, loyalty systems, and marketing tools, enabling current product and promotion data, customer rewards, and targeted push, SMS, and email communications.
- Designed, developed, and launched a customer-facing iOS application in Swift and SwiftUI, serving a retail customer base of 10,000+ users, with location-specific promotions, loyalty account access, QR-based rewards, and on-demand push notifications.
- Analyzed sales and inventory trends with Python, pandas, and SQL to guide purchasing, promotions, and location-level decisions, contributing to year-over-year foot traffic and revenue growth of up to 15%.
- Provide on-site support for POS, inventory, and store hardware issues, reducing downtime and keeping operations running smoothly while training staff and coordinating with managers and third-party vendors on technical fixes.

Bonavista Management

- Led development of a custom maintenance management platform and mobile application supporting operations across 68+ properties.
- Extended REST APIs that powered maintenance workflows across the company's web and mobile applications, including work orders, maintenance requests, equipment management, and status tracking.
- Built a configurable questionnaire system that allowed management to create and update employee workflows without requiring code changes.
- Owned backend architecture, deployment, and post-launch technical support through contract completion.
- Worked with senior management to turn operational needs into prioritized technical requirements and development plans.
- Centralized maintenance tracking and employee reporting, reducing manual management follow-up by roughly 50%.

Software Development Engineer, Amazon.com LLC

July 2021 – March 2023

- Designed and implemented features for Amazon's central marketplace filtering service, powering personalized recommendations.
- Served in the operations on-call rotation and managed a CI/CD pipeline running on EC2, using CloudWatch to investigate latency spikes, performance issues, and errors while maintaining 99.9% availability through regular rotations and peak events.
- Built an integration testing framework and CLI using Cucumber that cut testing time by 20% across the development lifecycle.
- Owned test coverage for the framework, making sure all test cases were accounted for and promoted correctly through the CI/CD pipeline.
- Reviewed code and wrote automated JUnit and integration tests, keeping code quality high and releases reliable.

EDUCATION

Syracuse University

B.S. in Computer Science

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, Swift, Haskell, HTML5, CSS3

Frameworks & Libraries: Next.js, React, React Native, SwiftUI, pandas, JUnit, Tailwind CSS, D3.js, Leaflet

Databases & Backend: Firebase, Firebase Authentication, Firebase Realtime Database, Firebase Cloud Messaging, SQL, MySQL, SQLite, REST APIs, API Integration

Tools & Platforms: AWS, Vercel, Git, GitHub, Xcode, Selenium, Unix/Linux, CI/CD

Engineering Practices: SDLC, Agile/Scrum, DevOps, System Design, Requirements Gathering, Technical Scoping, Unit Testing, Integration Testing, Production Support