

# JONATHAN MIN

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## SUMMARY

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Full-stack software engineer with 4+ years of experience building and owning production web applications, including sole ownership of an internal cloud operations platform used by engineering and support teams. Primarily front-end focused in Vue.js/TypeScript with hands-on exposure to AWS EKS, Docker, REST APIs, and C#/.NET; track record of independently scoping and shipping features from ambiguous requirements.

## SKILLS

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**Languages:** JavaScript, TypeScript, Python, Java, HTML, CSS

**Frontend:** Vue.js (Vue 2/3), Quasar, Vuex, React, Bootstrap, Material UI, Webpack

**Backend & APIs:** REST APIs, C#/.NET, Node.js, Express, Flask, MongoDB, Firebase

**Cloud & DevOps:** AWS (Cognito, EKS, CLI), Docker, Kubernetes, GitHub Actions

**Tools & Workflow:** Git, Jira, Confluence, Agile/Scrum

## EXPERIENCE

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**Senior Software Engineer** • Motorola Solutions (formerly IPVideo) Jan 2024 – Present

- ▶ Served as the sole engineer on the internal support platform for 2+ years, owning all feature development, architectural decisions, and technical direction for a tool used daily by ~25 support and engineering staff.
- ▶ Designed and shipped a domain migration tool that consolidated a complex, multi-step manual process into a single automated operation with dry-run pre-checks, phase-selectable execution, and per-phase logging, successfully transitioning 2000+ customer records to a new domain architecture.
- ▶ Built a CSV ingestion framework across three data pipelines, users, devices, and sites, with dry-run previews, error tracking, and exportable logs, directly unblocking the onboarding of enterprise-scale customers and replacing a manual entry process that couldn't support that volume.
- ▶ Proposed and led a codebase-wide dependency modernization effort, resolving compatibility issues and addressing security vulnerabilities flagged in audits, including a full Vuex to Pinia migration across 19 store modules.
- ▶ Led full-stack API naming standardization across 250+ endpoints and 15+ microservices, resolving request convention inconsistencies to improve codebase maintainability and scalability.
- ▶ Brought in by a separate team to deliver occupancy sensor views in their React/Next.js device management portal, surfacing multi-zone telemetry data ahead of a coordinated firmware release.

**Full Stack Developer** • Motorola Solutions (formerly IPVideo) May 2023 – Jan 2024

- ▶ Replaced per-device API status calls with a batched request strategy, eliminating sequential per-device load times, making status retrieval near-instantaneous, and resolving a data accuracy issue in a single architectural change.
- ▶ Identified and resolved a sequential device command execution bottleneck, replacing it with parallel processing and achieving a 16x performance improvement across multi-device operations.
- ▶ Built user management tooling covering sign-in history, temporary password provisioning, and user-domain assignment search, giving support the visibility and control they previously lacked to diagnose account issues and resolve login failures without engineering intervention.
- ▶ Overhauled domain and device search in direct response to support-identified failures, adding MAC address lookup, fixing substring matching, and handling special characters, eliminating a class of recurring lookup failures that had blocked support staff from locating specific records.
- ▶ Implemented MFA enforcement, configurable session timeouts, and activity tracking into the authentication layer using AWS Cognito, in direct response to security concerns flagged by the principal engineer, bringing the platform up to production security standards.

**Software Engineer Intern** • Motorola Solutions (formerly IPVideo) Jun 2022 – May 2023

- ▶ Owned and delivered a Vue 2 to Vue 3 and Quasar migration across a multi-module production codebase within two months, preserving full functionality and completing work originally scoped for a team.
- ▶ Rapidly onboarded to Vue and an Agile workflow, contributing UI components and REST API integrations before taking full ownership of the codebase migration within the same internship.

**Fintech Focus Fellow** • JP Morgan Chase & Co

Jul 2020

- ▶ Built full-stack web applications using Flask, MongoDB, Python, HTML, and CSS; developed and iterated on MVPs culminating in a final project: a restaurant discovery app powered by the Yelp API, built with Flask and Bootstrap.
- ▶ Used Git for version control and collaborative development across a team of fellows.

## EDUCATION

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**B.S. Computer Science** — **GPA: 3.59 / 4.0** • Stony Brook University

May 2023