MITCHELL WINTROW

SOFTWARE ENGINEER

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SUMMARY

Software engineer with 5 years of professional experience specializing in TypeScript/JavaScript, React, Node.js, Java, Go, Python, AWS, and GCP cloud services. Proven leader with experience leading engineering teams and driving projects from conception through deployment. Adept in designing & building efficient, optimized UI/UX in the frontend with fast, powerful, & scalable backend systems, especially in Go. Passionate about crafting efficient, user-centric software.

PROFESSIONAL EXPERIENCE

Frontend Engineer, Double Raven Solutions LLC   Jan 2025 - May 2025

Tech Stack: *TypeScript, Next.js, React, Tanstack, GraphQL, IAM, KMS, S3, Electron.js, Node.js, Docker, Kubernetes*

- **Development of Forensic Facial Composite UI**: Designed and led the develop the UI/UX of the Forensic Facial Composite app that integrates and uses AI to analyze witness descriptions, categorize keywords, compare keywords against built-in library to create a 3D facial composite
- **Led Refactoring to Next.js**: Led the refactoring of the previous product UI to use Next.js server components to optimize performance and react-hook-form with zod to improve validation and error messaging, and also led the migration to React 19

Frontend Engineer, Amazon Connect (AWS)   Aug 2022 - Nov 2024

Tech Stack: *TypeScript, React, Tanstack, Redux, Node.js, Python, CDK, CloudWatch, IAM, KMS, S3, Connect, Customer Profiles, AppFlow, EventBridge, Kinesis, CloudFormation, SQS, Shopify, Marketo*

- **Development of Customer Segmentation UI**: Led the development of the Segmentation UI for creating complex customer segments and campaign workflows, listing all segments, viewing segment details, and exporting up to 350k profiles from a segment as a CSV in the browser.
- **Development of Contact Trace Records**: Designed and led the development of a backend profile auto-association template for incoming calls and chats, designed and led the development of the AWS Console UI configurations for it, and wrote the public documentation for it
- **Increased test coverage, Wrote Python Script for Resource Creation**: Increased legacy test coverage from 65% to 88%, wrote script to generate data and deploy demo domains with all resources and features enabled for product managers to demo to new customers

Backend Engineer Apprenticeship/Internship, VMware   Jun 2022 - Aug 2022

Tech Stack: *Java 17, Spring Boot, H2, PostgreSQL, Docker, Kubernetes*

- **Built REST API server**: built a Docker image of a Java Spring Boot server with Guice dependency injection, concurrent thread processing, Log4j logging, H2 + PostgreSQL db
- **Deploy a Kubernetes cluster**: deployed a kubernetes cluster of servers on Docker images
- **Implemented Test Driven Development (TDD)**: created JUnit + Mockito tests for REST APIs

Full Stack Engineer, Double Raven Solutions LLC   Jun 2020 - Jan 2022

Tech Stack: *TypeScript, React, Tanstack, GraphQL, Go, MySQL, Python, IAM, KMS, S3, Electron.js, Node.js, Docker, Kubernetes*

- **Designed OSINT Network**: Designed the backend system and integrations for structured/semi-structured/unstructured data ingestion, NLP extraction, full text indexing, identity resolution, geo mapping, and audio/video/image transcription and identification
- **Developed UI and Data Extraction/Visualization Tools**: Designed & led the development of product
- UI, data extraction/geo mapping tools for subpoenaed cell phone data + data visualization

EDUCATION

2022 Software Engineering Immersive certification, Hack Reactor (full-time 13 week boot camp)
2024- (2026) Bachelor of Computer Science, Western Governors University, Utah
2024-Present Certified Ethical Hacker (CEH) certification, EC-Council
2024 Google IT Support Professional certification, Coursera (5 courses)
2025 Grokking System Design Fundamentals certification, Design Gurus (designgurus.io)
2025 CompTIA A+ certification, CompTIA

SKILLS

TypeScript | React | React Native | Next.js | Svelte | Node.js | Java | SpringBoot | Python | Go | Kotlin/JetpackCompose | Swift/SwiftUI/UIKit | AWS | GCP | Firebase | MySQL | PostgreSQL | MongoDB | Redis | CI/CD | Docker | REST APIs | GraphQL | Flutter | Leadership | System Design | Linux