**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 profileauto-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**

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**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**