MITCHELL WINTROW

SOFTWARE ENGINEER

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SUMMARY

Hi there! I'm a 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, 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, 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

PROJECTS

"JourneyApp.me" Custom Markdown Journaling App for Web   Apr 2025 - Present

UI is **React/TypeScript/RadixUI/Shadcn**; **Backend** is **Go**, **Kafka**, **MySQL**; Deployed on **Vercel**

- Shadcn/ui+radix-ui components, secure Firebase Auth, custom markdown editor
- Tanstack for server state, autosave drafts with IndexedDB, protected routes

"Voizy" Social Media App for Android   Mar 2025 - Present

UI is **Kotlin**; **Backend** is **Java**, **Go**, **MySQL/Vitess**, **Kafka**, **Kubernetes**; **ML** is **Python**;

- Secure auth via JWT and API keys, image upload to S3, Google Maps/Places API
- ML powered "Recommended Posts" page, event-driven model training

"Aspire To Expand" Educational Platform for Desktop/Web Nov 2024 - Present
UI is **TypeScript, React, Electron**; **Backend** is **Go**, **MongoDB**, **Node.js+Socket.io**;
- Video calling & Screen sharing via WebRTC, Instant messages via WebSockets
- Payment processing via Stripe & Paypal, Chatbot via GPT-4o-mini integration

"JourneyApp.me" Customized Journaling App for iOS, iPad, Android Feb 2025 - Mar 2025
UI is **SwiftUI/UIKit**; **Backend** is **Go**, **MySQL**, **MongoDB**; Deployed on **EC2**, **AppStore**;
- Secure auth via JWT & API key, encrypted image upload to S3, no public access to images/entries
- Custom markdown in entries, add images, locations, tags, fuzzy search w/ text highlights, filters

EDUCATION

Bachelor of Computer Science Sep 2024 - (Aug 2026)
Western Governors University
- Computer architecture, Math/Calculus/Statistics, Java, C++, & Python programming, System Design, AI and Machine Learning, Data Management, Network Security, Business of IT

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

ADDITIONAL INFORMATION

- **Languages:** English, Russian/Ukrainian, Vietnamese, Spanish
- **Certifications:** Advanced Software Engineering Immersive with 80hrs/week & <3% acceptance rate (13 weeks, Hack Reactor), Grokking System Design Fundamentals (DesignGurus), CompTIA A+ Core 2
- **Awards/Activities:** Voted class president (Hack Reactor 2022), Taught English

PROJECT LINKS

- **"JourneyApp.me" Custom Markdown Journaling App for Web**
    - **UI:** github.com/mrrobotisreal/JourneyAppWeb
    - **Go Backend:** github.com/mrrobotisreal/journey-app-server-refresh
- **"Voizy" Social Media App for Android (Kotlin/JetpackCompose):**
    - **UI:** github.com/mrrobotisreal/VoizyAndroid
    - **Go Backend:** github.com/mrrobotisreal/VoizyServer
    - **Java Backend (Replica):** github.com/mrrobotisreal/VoizyServerJava
    - **Python ML Backend:** github.com/mrrobotisreal/Voizy_Recommendation_Service
- **"Aspire To Expand" Educational Platform with Video Classes, Payments, Chat**
    - **UI (Teacher):** github.com/mrrobotisreal/AspireToExpandTeacherDesktop
    - **UI (Student):** github.com/mrrobotisreal/AspireToExpandDesktop
    - **Go Backend:** github.com/mrrobotisreal/AspireToExpandServer
- **"JourneyApp.me" Customized Journaling App for iOS and iPad (SwiftUI/UIKit):**
    - **UI:** github.com/mrrobotisreal/JourneyApp_iOS
    - **UI:** github.com/mrrobotisreal/JourneyApp_Android
    - **Go Backend:** github.com/mrrobotisreal/JourneyAppServer
    - **AppStore:** apps.apple.com/us/app/journeyapp-me/id6741499202?platform=iphone
- **Personal Website built with React (portfolio):** winapps.io
- **Linktree for social media:** linktr.ee/wintrow