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ANTHONY COFFEY

Full-Stack Software Engineer

SUMMARY

Full-Stack Software Engineer with 12+ years of experience architecting infrastructure and code for web and mobile applications. Expert with React/Next.js, RNative, Vue.js/Nuxt, Python, Node and passionate about designing secure applications that scale. Proven track record designing and deploying successful software projects across cybersecurity, healthcare, fintech, startups and SaaS industries.

WORK EXPERIENCE

Cybersecurity Analyst | Health Tech Defenders

December 2023 – Present

- Led penetration testing efforts of web applications, APIs, and cloud infrastructure in healthcare systems, identifying critical vulnerabilities (SQL injection, XSS, CSRF, misconfigurations).
- Authored detailed security reports with risk assessments and remediation strategies to improve system defenses.

Solutions Architect | 24hrcarunlocking.com

August 2023 – Present

- Developed a cross-platform React Native application (iOS/Android) and managed AppStore and Google Play Store submissions
- Integrated Twilio Flex with a proprietary CRM to streamline customer service and dispatch operations.
- Implemented a CI/CD pipeline to automate build and deployment processes across multiple environments.

Staff Engineer | Southern Made

May 2024 – September 2024

- Designed the system architecture for the **DORITOS Crash the Super Bowl** event, utilizing Google Cloud Vision and Gemini API for automated submissions review.

Full-Stack Software Engineer | Marani Health

March 2022 – April 2024

- Developed an annotation tool to validate heart rate and contraction monitoring algorithms for FDA 510(k) submission.
- Increased unit test code coverage from **0% to 99%**, improving algorithm accuracy and stability.
- Authored comprehensive test reports as part of the FDA 510(k) submission process.

React Native Developer | festivalPass

March 2021 – April 2022

- Developed cross-platform React Native application from an existing web solution for iOS and Android and managed Apple App Store and Google Play Store submissions.

Full-Stack Software Engineer | Lifecycle Insights

January 2019 – June 2021

- Architected an interactive survey platform on MEVN stack with dynamic data visualization and on-demand PDF generation of styled reports based on user responses.

Full-Stack Developer | Smart Insurance

June 2016 – April 2019

- Designed an online insurance quote system that improved conversion rates and automated quote generation.
- Ensured platform compliance with industry standards and regulations for workers' compensation insurance.

Full-Stack Developer | RiskPro®

January 2014 – June 2016

- Validated financial algorithms for portfolio calculations and implemented fixes for 50+ bugs
- Developed and maintained data visualization and generation features.

TECHNICAL SKILLS

Frontend

- React
- React Native
- Next.js
- Vue.js / Nuxt
- Angular

Backend

- Node
- Express.js
- Flask
- PHP, WordPress, Laravel
- Contentful
- Strapi
- Linux (Debian, Ubuntu, CentOS)
- System Administration / DBA

Data

- SQL
- PostgreSQL
- MySQL
- SQLite
- MongoDB
- Firestore
- DynamoDB

IaC, PaaS, DevOps

- GitHub Actions
- Docker, Kubernetes
- Terraform, Ansible
- Supabase, Auth0
- Heroku, Vercel, Netlify
- Expo

Programming Languages

- JavaScript(ES6+) / TypeScript
- Python
- Java
- C++
- C#

Cloud & DevOps

- DNS, VM, VPC, IAM, Firewall
- **AWS**
EC2, RDS, Lambda, S3, CodeBuild, CodePipeline, CodeDeploy, Amplify
- **Google Cloud**
App Engine, Compute Engine, Kubernetes Engine, Firebase, Cloud Run, Cloud Storage, AppHosting

AI/ML

- Gemini / GenKit
- Cloud Vision
- Sagemaker
- Claude Code
- Pytorch
- Tensorflow
- OpenAI API

Security & Compliance

- Penetration Testing (Burp Suite, Nmap, Metasploit, Nikto)
- OAuth 2.0,
- IAM Security
- Network Security, WAF
- Web Security (XSS, CSRF, SQL Injection)

EDUCATION

Gulf Coast State College | Associate of Arts

Graduated May 2012

- Object-Oriented Design, Systems Analysis, Database Management, Security+, Network+
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PROJECTS

- **React Drum Machine**
Fully functional drum machine / step sequencer with tempo and volume controls. Built with React and used Howler.js for audio playback.
- **Simply Voice**
Simple app that allows users to generate WAV files from text using Google's Text-to-Speech API. Supabase powered user authentication and file storage, hosted on Firebase Hosting.
- **Piano Scale Visualizer**
Interactive virtual piano with visual highlighting of vscales and real-time audio feedback.