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
- Collaborated with stakeholders to develop a Workers Comp. insurance quote form to streamline policy writing from end-to-end and ensure the platform compliance with industry regulations.

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 on-demand report 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**
- C++ I & II, Java I & II, PHP & MySQL
- Planning & Design, Object-Oriented Design, Systems Analysis, Database Management Security+, Network+

PROJECTS

- **React Drum Machine**

  Fully functional drum machine / step sequencer with tempo and volume controls. Built with React and Howler.js for audio playback.
- **Simply Voice**

  Allows users to generate WAV files from text for free 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 modes and scales with real-time audio feedback.

References available upon request, thanks in advance for the consideration! Schedule Interview