

ANTHONY COFFEY

FULL-STACK SOFTWARE ENGINEER

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SUMMARY

Full-Stack Software Engineer with 12+ years of experience maintaining infrastructure and code for web and mobile applications. Expert with React, Next.js & Python and passionate about creating secure applications that scale. Proven track record designing and deploying successful software projects across various industries, including cybersecurity, healthcare, fintech and startups.

WORK EXPERIENCE

Cybersecurity Analyst | Health Tech Defenders December 2023 - Present

- Led penetration testing for 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

- Engineered a React Native mobile app for iOS/Android to optimize roadside technician workflows with real-time fleet tracking, and managed Apple App Store 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 system architecture for the **DORITOS Crash the Super Bowl** event, leveraging Google Video Intelligence API and Gemini API for automated video 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

- Engineered and deployed a cross-platform React Native application from an existing web solution for iOS and Android.
- Managed Apple App Store and Google Play Store submissions for the festivalPass React Native application.

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 generation of styled PDF reports based on individual user responses.

Full-Stack Developer | Smart Insurance

August 2023 – Present

- 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

- Optimized financial algorithms for portfolio calculations, improving performance and accuracy.
- Developed features and fixed hundreds of bugs, enhancing platform stability and usability.

TECHNICAL SKILLS

Frontend

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

Backend

- Node
- Express.js
- Flask
- Laravel
- Strapi
- SSR
- Linux (Debian, Ubuntu, CentOS)
- System Administration

Databases

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

IaC, PaaS, DevOps

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

Programming Languages

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

Cloud & DevOps

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

AI/ML

- Gemini / GenKit
- Cloud Vision
- Sagemaker
- Claude Code
- Pytorch
- Tensorflow
- OpenAI API, gpt-4o

Security & Compliance

- Penetration Testing (Burp Suite, Nmap, Metasploit, Nikto)
- OAuth 2.0, JWT, Auth0
- IAM Security
- Network Security, WAF
- Web Security (XSS, CSRF, SQL Injection Prevention)

EDUCATION

Gulf Coast State College | Associate of Arts

Graduated May 2012

- Object-Oriented Design
- Systems Analysis
- Database Management
- Security+
- Network+ Fundamentals

PROJECTS

- **React Drum Machine**
Fully functional drum machine / step sequencer with tempo and volume controls. Build with React and Howler.js for audio playback.
- **Simply Voice**
Simple web app that allows users to generate .wav files from text using Google Cloud Text-to-Speech API. Supabase powered user authentication and file storage.
- **Piano Scale Visualizer**
Interactive virtual piano with visual highlighting of various scales and real-time audio feedback.