

# ANTHONY COFFEY

FULL-STACK SOFTWARE ENGINEER

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## 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 or Node and passionate about designing secure applications that scale. Proven track record designing and deploying successful software projects across cybersecurity, healthcare, fintech, and SaaS industries.

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## 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

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

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

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## TECHNICAL SKILLS

### Frontend

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

### Backend

- Node
- Express.js
- Flask
- PHP, 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, 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+ Fundamentals
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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.