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ANTHONY COFFEY
Solutions Architect

SUMMARY

Full-Stack Software Engineer with 12+ years of experience architecting, developing, and deploying robust, scalable, and secure web/mobile applications and infrastructure. Successfully delivered software solutions across cybersecurity, healthcare, fintech, startup, and SaaS sectors. Always committed to engineering excellence and reliability!

WORK HISTORY

Solutions Architect | 24hrcarunlocking.com — August 2023 – Present
- Developed a cross-platform React Native application (iOS/Android) to support real-time fleet monitoring and managed App Store and Google Play 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.

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.

Staff Engineer | Southern Made — April 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 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 based on user input.

Full-Stack Developer | Smart Insurance   June 2016 – April 2019
- Collaborated with stakeholders to develop a Workers Comp. Insurance app and ensure the platform was compliant with State and Federal regulations.

Full-Stack Developer | RiskPro®   January 2014 – June 2016
- Wrote patches to correct financial algorithm inaccuracies and resolve UI/UX errors.
- Developed and maintained data visualization and on-demand report generation features.

TECHNICAL SKILLS

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

Backend
- Node, Express.js
- Flask
- PHP, Laravel, WordPress
- NGINX / Apache2
- Contentful
- Strapi
- Linux (Debian, Ubuntu, CentOS)
- System Administration / DBA

Data
- SQL / noSQL
- PostgreSQL
- MySQL
- SQLite
- Firestore
- MongoDB
- DynamoDB

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

Programming Languages
- JavaScript(ES6+) / TypeScript
- Python
- Java
- C / C++
- C# (Unity)
- Dart

Cloud
- 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 Build, Cloud Storage

AI/ML
- Gemini, GenKit, Cloud Vision
- Sagemaker
- Pytorch / Tensorflow
- Claude Code, Cline
- GitHub CoPilot
- OpenAI API

Security & Compliance
- Penetration Testing (Burp Suite, Nmap, Metasploit, Nikto)
- Network Security, WAF
- Web Security (XSS, CSRF, SQL Injection)
- OWASP Top 10
- WCAG
- SOC2

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, CompTIA+, 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.

- **[Personal Blog / Portfolio](#)**

  Personal portfolio and blog site with MDX/Markdown support, searchbar, and optimized for search engines (Sitemap, JSON-LD, RSS). Featuring Dynamic OG images, Syntax Highlighting, and Tailwind v4 styling.

- **[Roadside Service Technician App (React Native)](#)**

  Cross-platform React Native application (iOS/Android) to support real-time fleet monitoring for 24hr Car Unlocking. Features precise background location tracking, and allows technicians to view/manage their assigned jobs.

- **[LabelScan (Flutter)](#)**

  AI-powered shopping assistant that allows users to scan price tags while shopping and add items to a list. Total cost and sales tax of scanned items is displayed below the scanned items, allowing the user to shop without checkout shock.

References available upon request, thanks in advance for the consideration! [Schedule Interview](#)