

# Anthony Coffey

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## Introduction

As a Software Engineer with over ten years of professional experience, I bring a wealth of experience with a creative edge to the table inspired by my involvement with the Austin, Texas art community as an artist/musician.

Since 2012, I have worked with hundreds of clients to develop and maintain custom software solutions designed to meet their unique needs. I specialize in JavaScript and Python ecosystems, and I have a wealth of experience in web/mobile development, cloud infrastructure management and search engine marketing/optimization.

My commitment to the open-source community is demonstrated through projects like my node package, [react-native-expo-authorize-net](#).

In 2024, I am particularly passionate about leveraging AI and machine learning to create practical solutions that empower small businesses. I am looking forward to the opportunity to discuss how I can bring my expertise to your team and help however I can!

Thanks in advance for your consideration, let's chat soon about how I can help!

## Technical Expertise

### Programming Languages & Frameworks

- **Web & Scripting:** JavaScript/TypeScript, Python, PHP, HTML5, CSS3, SASS
- **Systems & Applications:** Java, C#, C++
- **JavaScript Frameworks:** React/Next.js, Redux, Vue/Nuxt, Vuex, Three.js, D3.js
- **Backend & CMS:** Laravel, WordPress, Drupal, Shopify
- **UI Libraries:** TailwindCSS, Material UI, Tamagui, Bootstrap

### Software Development Practices

- **Design & Methodologies:** Agile, Scrum, TDD, OOP, REST, GraphQL, MVC/MVVM, Microservices, Atomic Design, DRY, KISS, Clean Code
- **Testing & Optimization:** Responsive Design, SEO, SEM, A/B Testing, Jest, Mocha, Chai, Pytest
- **Modeling & Documentation:** UML, Entity Modeling, Flowcharts

## Cloud & Deployment

- **Cloud Platforms:** Azure, AWS, Google Cloud, Vercel, Heroku, DigitalOcean
- **Key Services:** EC2, S3, Lambda, Amplify, CloudFront, IAM, RDS, Azure Functions, Azure DevOps, Google Compute Engine, Firebase
- **CI/CD & DevOps:** Docker, Kubernetes, GitLab, Terraform, AWS CLI, Linux, Vercel, Netlify

## Data Management

- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB, Redis, Firebase, DynamoDB
- **Python & Node.js Environments:** Flask, Django, Pandas, Numpy, Express, Vite

## Web Standards & Security

- **Core Web Standards:** Extensive knowledge in building accessible, responsive websites using HTML5, CSS3, and SASS.
- **Security & Compliance:** Proficient in web security practices, GDPR compliance, and building applications adhering to WCAG guidelines.
- **APIs & Interactions:** REST, SOAP, GraphQL, JWT, OAuth, WebSockets for robust API development and secure data exchange.

## Analytics & Performance

- **Tools:** Google Analytics, Google Tag Manager, Web performance optimization techniques.
- **SEO & SEM:** Advanced skills in Search Engine Optimization and Search Engine Marketing to boost online presence and engagement.

## Soft Skills

- Experienced with product development and project management.
- Experienced with remote work and distributed teams.
- Strong communication skills, both written and verbal.
- Exceptional problem-solving and troubleshooting skills.
- Highly motivated and consistently updating skills and optimizing workflow.
- Strong interpersonal and leadership skills.
- Team player with a willingness to take ownership and responsibility.

## Testimonials

- **Brandon S. Page, CEO, Smart Insurance Inc.:** "Anthony has been extremely professional and delivered top-notch products. He is quick to learn and provides valuable feedback to improve

projects."

- **Christopher Foster, Business Analyst, Health System Information Resources:** "Anthony has a passion for clean code and solution-driven methodology. He is an effective contributor to any project."
- **Jim Tafur, CTO, Marani Health:** "Anthony has consistently demonstrated outstanding skills, dedication, and attitude. His attention to detail and commitment to excellence are exceptional."

## Employment History

### ***Health Tech Defenders*** *Cybersecurity Analyst* (December 2023 - Present)

- Conducted security assessments and penetration testing on web applications, APIs, and cloud infrastructure.

### ***Marani Health***, Austin, TX *Full Stack Engineer* (March 2022 - Present)

- Using AWS Amplify, engineered full stack application utilized for annotating fetal and maternal heart rate data, facilitating the validation of the proprietary algorithm's effectiveness.
- Helped to retrofit unit tests for Marani's proprietary algorithm, reaching 99% code coverage.
- Facilitated the transition of local data files to a remote database, enabling API-based queries that improved automation and optimized data file processing.
- Authored documentation for protocols, procedures, and also worked on documentation for FDA submission.

### ***FestivalPass***, Austin, TX *React Native Engineer* (March 2021 - April 2022)

- Built iOS / Android app with React Native, Expo, and TypeScript.

### ***Lifecycle Insights***, Austin, TX (Remote) *Full Stack Engineer* (January 2019 - June 2021)

- Developed robust, scalable full-stack applications using the MEVN stack.
- Developed robust server-side logic using Node.js and Express.js, architecting and implementing a suite of RESTful APIs that enhanced system integration and improved data handling efficiency for multiple client applications.
- Engineered a CI/CD pipeline using industry-standard tools to automate the deployment process, significantly reducing deployment times and enhancing developer productivity by streamlining development workflows.
- Utilized jsPDF to generate dynamic, branded, and stylized reports, improving the visual presentation of data and enabling custom, client-specific report generation on-the-fly which was essentially the "product".
- Oversaw web application data management using MongoDB Atlas, ensuring scalable and secure database configurations, seamless integration with application services, and robust data recovery

protocols to maintain high availability and performance.

***Smart Insurance Full Stack Developer (LAMP) (June 2016 - April 2019)***

- Collaborated closely with stakeholders to ensure our platform complied with current industry standards and specific regulations for workers' compensation insurance, enhancing legal compliance and operational reliability.
- Led the design and development of the company's online insurance quote system, focusing on user experience and backend efficiency to optimize performance and increase customer engagement.
- Specialized in developing WordPress themes specifically tailored for the insurance sector, enhancing brand consistency and user engagement across digital platforms.
- Developed and maintained custom WordPress plugins to extend functionality and improve operational efficiency, tailored to meet specific needs within the insurance industry.
- Managed MySQL databases with a focus on optimizing data integrity, performance, and reliability, ensuring robust data support for critical business operations
- Worked with Google Analytics and Google Tag Manager to implement custom configurations for analyzing user behavior, site traffic, and conversion rates, empowering data-driven decisions to boost conversions and site performance.

***Rock Candy Media, Austin, TX WordPress Developer (April 2018 - August 2018)***

- Customized and developed WordPress themes according to client specifications and design mockups.
- Developed custom WordPress plugins to add unique functionalities tailored to client needs.
- Collaborated with marketing and design teams to integrate creative strategy into web development.
- Optimized website performance and loading speeds, reducing bounce rates and improving user experience.
- Implemented SEO best practices and accessibility standards, increasing organic search rankings.
- Utilized A/B Split testing for conversion rate optimization, improving lead generation and user engagement for clients.

***Glide Design, Austin, TX Web Developer (LAMP) (January 2017 - November 2017)***

- Worked with team members to handle support requests, develop patches for new features and bug fixes.
- Worked directly with clients to troubleshoot, diagnose, and resolve problems in an effective and timely manner.
- Developed plugins and plugin extensions for popular WordPress plugins like WooCommerce, Gravity Forms, and BuddyPress.

***RiskPro®, Los Angeles, CA (Remote) Full Stack Web Developer (LAMP) (January 2014 - June 2016)***

- Engineered and maintained a virtual risk profiling and portfolio construction platform using the LAMP stack within the WordPress ecosystem, tailored specifically for fintech applications.
- Developed and optimized WordPress themes and plugins to support complex financial data processing and visualization.
- Collaborated with financial analysts to translate risk assessment algorithms into efficient, scalable web solutions.
- Implemented robust security measures to protect sensitive financial data and ensure compliance with financial regulations.
- Enhanced system performance and user experience, leading to a more intuitive interface and increased user engagement.

***Obzervant***, Austin, Texas Area *Full Stack Developer (LAMP)* (June 2015 - December 2015)

- Spearheaded the development and delivery of SaaS products and marketing services for enterprise-level clients, enhancing client engagement and satisfaction.
- Authored comprehensive documentation that detailed project requirements, features, and maintenance protocols, facilitating clear communication and efficient project management.
- Acted as a technical consultant to management, evaluating and presenting the pros and cons of various development approaches to support strategic decision-making.
- Implemented best practices in code quality, security, and scalability, ensuring robust and reliable software solutions.

***Squeekpress***, Gulf Shores, Alabama *Full Stack Developer (LAMP)* (August 2013 - June 2015)

- Engineered custom white label WordPress plugins and themes for a diverse range of clients, from startups to enterprise-level, enhancing client branding and digital presence.
- Integrated jQuery extensively to enrich user interfaces and improve client-side scripting of web applications.
- Utilized Gravity Forms to create advanced form-based solutions, streamlining data collection and workflow automation for clients.
- Resolved config issues with Apache and NGINX servers on multiple Linux distributions, ensuring optimal server performance and reliability.