

James Douglas White

Lubbock, TX | 512.293.1045 | email@douglaswhite.dev | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

Professional Summary

Senior Frontend Developer with 8+ years of experience specializing in Angular & Ionic, mobile and Progressive Web Apps (PWA). Proven track record in developing high-performance, scalable hybrid mobile applications using cutting-edge technologies including TypeScript, RxJS, NgRx, and Nx. Demonstrated expertise in:

- Building responsive and intuitive user interfaces with Angular and Ionic frameworks
- Implementing state management solutions using NgRx and RxJS
- Developing cross-platform mobile applications with Capacitor
- Integrating cloud services including Azure, Google Cloud Platform, and Firebase
- Applying Agile methodologies and version control systems for efficient project management

Technical Skills

- **Frontend:** Angular (9-17), Ionic (4-8), Nx, TypeScript, HTML5, CSS3, Capacitor
- **UI/UX:** Figma, Material Design, Responsive Web Design
- **Backend:** Node.js, Express.js, Serverless Functions, MongoDB Atlas, Cloud SQL
- **Cloud Services:** Azure Cloud, Google Cloud Platform (GCP), Firebase
- **State Management:** Signals, NgRx, RxJS
- **Testing:** Cypress, Jest, Playwright
- **Analytics & Optimization:** Google Optimize, Firebase Analytics, A/B Testing
- **Other:** Git, Docker, Kubernetes, Azure DevOps, GitHub Actions, Azure Pipelines, RESTful APIs, Jira, OAuth, Stripe SDK, Twilio, Firebase Cloud Messaging

Professional Experience

Full-Stack Engineer | ApsisTech | Dec 2023 – Present

- Led the development of a nurse recruiting platform ("NurseConnect") using Angular and Ionic, resulting in a 40% improvement in candidate placement efficiency
- Collaborated with UX designers to craft an intuitive and responsive interface, significantly enhancing user satisfaction
- Utilized NgRx for efficient state management, ensuring a predictable and maintainable application architecture

- Designed and implemented robust candidate and facility profile features with Firebase Firestore and Google Cloud SQL, streamlining data management
- Integrated Google Cloud Talent Solution and custom RESTful APIs, improving job matching accuracy by 25% and reducing time-to-hire by 20%
- Developed and maintained CI/CD pipelines using GitHub Actions for seamless deployment and automated testing

Software Engineer | Insight Global | Mar 2023 – Nov 2023

- Collaborated on the development of the "Ramp App" PWA and Android app using Angular 15, Ionic 7, and Capacitor 2, achieving a 60% improvement in operational efficiency
- Implemented real-time flight tracking and cargo management features, integrating with a .NET/C# backend via RESTful APIs, reducing manual data entry by 95%
- Integrated Ping Fed OAuth for secure user authentication, significantly enhancing system security, ensuring regulatory compliance
- Optimized application performance through strategic lazy loading, code splitting techniques and declarative programming
- Implemented Split.io feature flags, enabling smoother updates and segmented rollouts, reducing overall rollout time by 150%
- Contributed to the development and maintenance of a shared UI component library, Auro Design System, promoting code reusability and consistency
- Ensured code quality and robustness through extensive unit and end-to-end testing using Jest and Playwright
- Implemented New Relic to gain actionable insights into app performance, user behavior (segmented by airport), and proactive error detection

Software Engineer | KlickTrack | Mar 2022 – Oct 2022

- Contributed to enhancing the "KlickTrack" point-of-sale PWA and iOS app, resulting in a 35% increase in transaction processing speed
- Integrated a third-party online payment platform and corresponding APIs for brick-and-mortar and headless e-commerce platform, driving a 40% increase in subscriptions
- Refactored the codebase from Angular 9 to 15 and Ionic 4 to 7, transitioned to an Nx monorepo and refactored NgRx for improved project structure, state management, and code maintainability and scalability
- Resolved critical backlog issues related to payment discrepancies, significantly reducing churn by 25% and improving system stability
- Wrote comprehensive Jest unit tests and Cypress end-to-end tests to ensure code quality and prevent regressions

Software Engineer | NCQA | Aug 2021 – Dec 2021

- Led the full-stack development of an MVP web application using React and Material-UI for the front-end, and Azure serverless functions with Express and MongoDB for the backend, securing a \$2M Medicare trial contract
- Integrated healthcare data APIs (FHIR, HL7) with in-house data, enabling real-time reporting capabilities and improving data accuracy by 30%
- Built interactive data visualization tools using chart.js and Material-UI Data Grid, empowering stakeholders with actionable insights and enhancing decision-making processes by 40%
- Implemented and maintained CI/CD pipelines using Azure Pipelines to automate the build, test, and deployment processes, ensuring efficient and reliable software delivery
- Utilized Azure DevOps for project management, work item tracking, and team collaboration throughout the development lifecycle
- Managed code repository and version control using Azure Repos, ensuring code integrity and facilitating seamless collaboration

Full-Stack Engineer | ApsisTech | Apr 2020 – Jul 2021

- Led the development of the "Midland Fitness" PWA, offering session scheduling, online payments, and profile management, increasing user engagement by 50%
- Collaborated with UX designers to ensure an intuitive and user-friendly interface, contributing to increased user satisfaction
- Utilized NgRx for efficient state management and seamlessly integrated RESTful APIs for data handling and backend communication
- Integrated Stripe for secure online payments and subscription models, directly boosting revenue streams by 35%
- Implemented app messaging using Twilio and Firebase Cloud Messaging, fostering improved client-user communication and reducing customer churn by 28%

Full-Stack Engineer | Rank Fantasy Sports | Aug 2018 – Apr 2020

- Led the development of the "Rank Fantasy Sports" daily fantasy sports PWA and Android app, enabling sports statistics analysis and lineup building
- Optimized application performance through meticulous analysis using Google Analytics for Firebase, Firebase Predictions, Crashlytics, and A/B Testing, resulting in a 70% reduction in churn
- Implemented feature flags using Firebase Remote Config, enabling smoother updates and targeted feature rollouts, improving average session length by 40%
- Enhanced user experience with intuitive sports statistics data analysis and visualizations using chart.js and NGX-Datatable, increasing average of lineups created by 35%

- Developed and maintained CI/CD pipelines using GitHub Actions to automate the build, test, and deployment processes

Full-Stack Developer | Reagor Dykes Auto Group | Feb 2017 – Aug 2018

- Participated in the development of the "RD360" auto imaging PWA and Android app, incorporating virtual reality and 360-degree views, increasing average session length by 17% and lead conversions by 15%
- Built an Angular desktop app for aggregating lead-to-sale data from various dealership sources, improving revenue allocation accuracy by an impressive 65%
- Leveraged Firebase Functions for cost-effective and secure data retrieval and business logic, optimizing app responsiveness and significantly reducing server costs by 76%

Education

Bachelor of Science in Biology | Texas Tech University | May 2000