

James Douglas White

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Professional Summary

Senior Developer with 7+ years of expertise in Angular, Ionic, and PWA development. Proven track record in building high-performance, cross-platform applications, optimizing user experiences, and implementing robust testing and CI/CD pipelines.

Technical Skills

- ★ **Frontend:** Angular (9-17), Ionic (4-8), Nx, TypeScript, HTML5, CSS3, Capacitor
- ★ **UI/UX:** Figma, Material Design, Responsive Design
- ★ **Backend:** Node.js, Express.js, Serverless Functions, MongoDB, Cloud SQL
- ★ **Cloud & DevOps:** Azure, GCP, Firebase, Docker, Kubernetes, Azure DevOps, GitHub Actions, Azure Pipelines
- ★ **State Management:** NgRx, RxJS, Signals
- ★ **Testing:** Cypress, Jest, Playwright
- ★ **Other:** RESTful APIs, Jira, OAuth, Stripe, 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 and retrieval
- 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, increasing operational efficiency by 60%
- 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 and meeting Alaska Airlines security requirements
- Optimized performance through lazy loading, code splitting & declarative programming
- Implemented Split.io feature flags, enabling smoother updates and segmented rollouts, reducing overall rollout time by 150%
- Contributed to the development of a shared UI component library, Auro Design System
- 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 32 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 safeguard code quality and prevent future 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 subscriber 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%
- Developed and maintained CI/CD pipelines using GitHub Actions to automate the build, test, and deployment processes

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 team lineup generation
- Optimized application performance using Google Analytics, 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 UX with sports statistics visualizations, increasing lineups created by 35%
- Developed and maintained CI/CD pipelines using GitHub Actions to streamline the deployment process and ensure code quality

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

- Participated in the development of the "RD360" vehicle image asset PWA and Android app, incorporating virtual reality and 360-degree spin imaging
- Built an Angular desktop app for aggregating lead-to-sale data, vehicle acquisition reports, and call tracking and make-ready data, improving revenue allocation accuracy
- Leveraged Firebase Functions for cost-effective data handling, reducing server costs
- Implemented CI/CD pipelines using GitHub Actions to automate deployment and testing

Education

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