Jim Daniels Wasswa

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Location: Cyberjaya Selangor, Malaysia

Summary — Full-stack developer with 6+ years of experience, including 3+ in front-end development, delivering scalable, user-focused applications across fintech and healthcare. Skilled in React, TypeScript, ASP.NET, Java/Spring MVC, and PostgreSQL, with strong expertise in CI/CD (GitHub Actions) and monorepo workflows. Recognized for mentoring developers and driving initiatives that improve performance, code quality, and developer productivity.

Skills

Languages	JavaScript, TypeScript, CSS, HTML, Java, C#.NET, SQL, Tailwind, Bootstrap, Dart
Frameworks	Express.js, Spring MVC, Flutter
Libraries	React, React Router, TanStack Query, MobX, Storybook
Build Tools	npm scripts, webpack, Docker
Protocols	HTTP, WebSockets REST
Databases	Postgres, MSSQL Server, MySQL, Mongo
Testing	Jest, React Testing Library, ESLint
Methodologies	Functional Programming, Object Oriented Programming, Design Patterns, Design Principles, Test-Driven Development
Other	Git, GitHub, GitHub Actions, GitLab, Node.js, Monorepos, nx, npm workspaces, ESLint, Responsive Web Design

Experience

Deriv Sdn Bhd   **April 2022 - Current**
Senior Front-end Developer

– Engineered core enhancements to the custom Flutter chart library, including drawing tools, crosshair functionality, and a showcase app that streamlined development and debugging, reducing feature testing time by 40%.
– Automated theming and rebranding by building a design token parser and cron-based workflow that bi-weekly syncs tokens, auto-generates Dart code, and raises pull requests—cutting rebranding effort from days of manual updates to a single merge-ready workflow.
– Enhanced Processes: Implemented features that strengthened security and simplified verification, resulting in a smoother user journey.
– Bug-Free Experience: Proactively identified and resolved bugs across projects while writing unit tests with Jest and React Testing Library, significantly enhancing application stability and user satisfaction.
– Led the migration to TypeScript and configured project-wide linting, significantly improving code quality, maintainability, and developer experience through consistent and well-structured code.
– Developer Advocate: Mentored junior developers and trained graduate trainees, fostering a strong development team.
– Automated Deployments: Refined deployment processes by creating automated workflows for staging and production releases, boosting efficiency, and reducing risk.
– Release Manager: Spearheaded releases of Deriv's main system (app.deriv.com).

Integrated Intelligent Computer System Technologies (IICS Technologies)   **January 2019 – January 2020**
Full-stack Software Developer

– Pioneered real-time medication tracking and dispensing solutions, reducing errors and time per patient by 50%, and driving measurable improvements in patient safety and healthcare delivery in 20+ government hospitals.
– Bug-Free Experience: Maintained high levels of application performance by diagnosing and fixing key bugs, leading to increased user engagement.
– Developer Advocate: Led a team of 9 developers, providing daily guidance and support. Mentored 7 interns, teaching them essential skills such as debugging large-scale systems.
– Ensured reliable and consistent patient queue management by eliminating race conditions in Java Spring through object-level locking, preventing errors and improving system stability.

Crystal Clear Software Ltd   **July 2017 – December 2018**
Computer Programmer

– Performance Optimization: Eliminated in-memory cursors, reducing login time by 83%, from 12 minutes to just 2 minutes..
– Developed and enhanced Loan Performer's core functionalities, improving efficiency for financial operations and user experience.
– Migrated the legacy system from FoxPro to C# ASP.NET Webforms
– Bug-Free Experience: Improved the end-user experience by systematically troubleshooting and resolving bugs throughout the application.

Education

APTECH Computer Education   **2014-2017**
Higher Diploma in Software Engineering