Jim Daniels Wasswa

Phone: +60 14-519 7207 — Email: jimdanielswasswa@yahoo.com — LinkedIn: linkedin.com/in/jimdanielswasswa
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	**Testing**	Jest, React Testing Library, ESLint
Frameworks	Express.js, Spring MVC, Flutter	**Methodologies**	Functional Programming, Object Oriented Programming, Design Patterns, Design Principles, Test-Driven Development, CI/CD
Libraries	React, React Router, TanStack Query, MobX, Storybook	**Other**	Git, GitHub, GitHub Actions, GitLab, Node.js, Monorepos, nx, npm workspaces, ESLint, Responsive Web Design
Build Tools	npm scripts, webpack, Docker		
Protocols	HTTP, WebSockets REST		
Databases	Postgres, MSSQL Server, MySQL, Mongo		

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.
– Streamlined document management by building a secure upload and verification system, enabling clients to submit files directly through the platform, which improved efficiency and reduced reliance on email exchanges
– 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.
– Mentored junior developers and trained graduate trainees, fostering a stronger and more collaborative development team.
– Led the releases of Deriv's main system (app.deriv.com) and refined deployment processes by creating automated workflows for staging and production releases, boosting efficiency and reducing release risk.
– Translated complex technical requirements into clear, actionable insights for product managers and business teams, ensuring alignment between development priorities and business goals.
– Presented project updates and technical solutions to non-technical stakeholders, simplifying complex concepts and fostering cross-functional understanding that accelerated decision-making.

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.
– Diagnosed and resolved critical bugs, maintaining high levels of application performance and increasing user engagement.
– Led a team of 9 developers and mentored 7 interns, providing guidance on debugging large-scale systems and fostering professional growth.
– 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

– Eliminated in-memory cursors, reducing login time by 83% (from 12 minutes to 2 minutes) and significantly improving system performance.
– Developed and enhanced Loan Performer's core functionalities, improving efficiency for financial operations and user experience.
– Successfully migrated the legacy system from FoxPro to C# ASP.NET Webforms, which improved system maintainability and scalability.
– Systematically troubleshoot and resolved bugs, enhancing the end-user experience and application reliability.

Education

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