

# Steven Jackson

Software Engineer

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Bringing extensive expertise in React, Node.js, Express.js, TypeScript, Three.js, MySQL, Redis, WebSocket, React Native, iOS, and Android platforms, Unity, coupled with proficiency in Figma and Git, I contribute to a range of projects, focusing on high-load ecommerce and B2B solutions, SQL and Python development, blockchain technology, C/C++/C# development, Laravel, PHP, and backend development, as well as AI-driven solutions, computer vision, and machine learning initiatives.

## Professional Experience

### Wednesday Solutions

July 2018 - February 2024

#### Software Engineer

- With extensive experience in React development, Node.js, Express.js, TypeScript, MySQL, Redis, WebSocket, React Native (TypeScript), iOS and Android platforms, along with proficiency in Figma, Git and a proactive approach to project tasks.
- Possessing over 2 years of expertise in NodeJS and NestJS development, I am ready to contribute to projects by building high-load ecommerce and B2B solutions, leveraging modern technologies like typeORM, Prisma, and Nest, and collaborating closely with cross-functional teams to deliver optimal RESTful APIs and explore innovative solutions.
- An experienced SQL developer with a strong foundation in database management, adept at creating database objects, developing stored procedures, and optimizing queries in T-SQL, collaborates with cross-functional teams to ensure seamless integration of client portfolios, implementation of efficient data integration strategies, and adherence to data management standards.
- With over 4 years of Python development expertise, specializing in Apache Airflow adaptation and integration, I lead development efforts, design architectural solutions, and foster collaborative teamwork to achieve ambitious long-term goals, ensuring seamless CI/CD pipelines and robust monitoring and logging systems. Additionally, with a deep understanding of asynchronous architecture principles, proficiency in modern microservices concepts and frameworks like FastAPI, OpenAPI, Kafka, OAuth2, JWT, and practical experience in Kubernetes.
- Bringing over 4 years of advanced Python development experience, including expertise in Scrapy, Celery, and FastAPI, coupled with deep knowledge of Redis, MongoDB, and Elasticsearch databases, as well as proficiency in software engineering with C#, Python, and GUI frameworks like WPF and WinForms, I contribute to the development of innovative crypto-analytics solutions, uphold world-class coding standards, and participate in strategic research initiatives to revolutionize technology, ensuring optimal performance, reliability, usability, and maintainability of developed algorithms for modeling, data processing, and machine learning.
- Bringing over 4 years of experience in blockchain development, including expertise in Golang, Python (Flask/FastAPI), Solidity smart contract development, and Java, along with extensive knowledge of blockchain fundamentals and modern technologies, I am well-

prepared to lead innovative projects, ensuring reliability, scalability, and security while driving market success and delivering cutting-edge solutions.

- Bringing a solid foundation in C/C++, expertise in multithreading, Qt/QML development, and over 5 years of active C++ development experience, I am well-prepared to drive innovation and deliver robust solutions, actively engaging in architectural discussions, code reviews, and system optimization to ensure project success and scalability. Additionally, with over 6 years of server-side development expertise, including integration with Golang services, I am poised to contribute effectively to IT platform, prioritizing scalability, resilience, and high performance.
- Bringing over 6 years of C++ development expertise, including contributions to complex CAD/CAM software solutions and high-performance real-time systems for telecommunications networks, I collaborate cross-functionally, ensuring seamless integration and enhancing overall project efficiency, while demonstrating proficiency in designing and implementing new features, unit testing, code review, and third-line support for large-scale projects.
- Bringing extensive backend development expertise in Laravel, PHP, MySQL, and Python, along with a strong focus on core API creation, automated services, and robust security features.
- Bringing a focus on optimizing AI-driven solutions, I leverage expertise in Node.js, Meteor, and MongoDB to develop robust server-side applications, seamlessly integrating front-end elements for maximum speed, scalability, and data protection, while also contributing to the development and optimization of robust software solutions with 5 years of experience as a back-end developer, emphasizing new feature creation and module development in microservices architecture, enhancing cross-platform agent infrastructure, and facilitating smooth transitions to Linux and container environments.
- With over 3 years of experience in computer vision and machine learning, including a track record of developing commercial solutions and expertise in Python, PyTorch, and other ML libraries, I am ready to contribute to projects, pushing the boundaries of technology in the Software-as-a-Medical-Device industry.
- With over 5 years of experience, I specialize in designing and developing ETL/ELT data pipelines, optimizing SQL queries and database structures, and contributing to the evolution of Data Warehousing architecture, ensuring efficient data loading and storage while meeting customer needs and technological trends.

## **Webby Group**

*August 2010 - June 2018*

### **Full Stack Developer**

- Bringing over 4 years of software development expertise, specializing in Java, Python, Kotlin, and Android, with a focus on crafting services for platforms like 1C on Android, SCADA systems, and industrial automation. Excelled in building, enhancing, and launching mobile applications, driving innovation and ensuring quality results through collaboration and Clean Architecture implementation.
- With over 5 years of combined Android development experience, adept at crafting robust application architectures, developing new features, and leading cross-functional teams. Proficient in Java, Kotlin, MVVM, MVP, Coroutines, Dagger2, Hilt, Room, RxJava 2, and VoIP, with additional strengths in unit testing and Jetpack Compose.
- With over 6 years of expertise in JavaScript and TypeScript development, including proficiency in Three.js, Potree, Node.js, MongoDB, Angular 2+, Java for Android, and Linux administration, I specialize in crafting interactive playable ads for diverse platforms, delivering captivating marketing materials within specified timelines and guidelines, and as a seasoned frontend developer with over 4 years of experience, I excel in building scalable and

optimized Vue.js components, contributing to frontend architecture and BFF development, ensuring code quality through rigorous testing and optimization to advance QIC's mission to digitize services and elevate customer experience, while also leveraging my expertise in TypeScript, React + Redux, and modern web technologies to design and implement user-friendly web applications for corporate systems.

- Bringing over 6 years of diverse experience in Java programming, Liferay development, Spring Boot, microservices architecture, and Java/Kotlin-based Android development, I am committed to making impactful contributions to global projects.
- With over 5 years of combined Unity and mobile game development experience, adept at collaborating seamlessly in dynamic environments, driving innovation, and delivering quality results across web and mobile platforms, with proficiency in C#, OOP principles, Unity, client-server gameplay functionality, network integration, database management, performance optimization, UI implementation, third-party SDK integration, and version control systems.
- Bringing extensive experience in C# development, including expertise in .NET Core, ASP.NET Core, and microservice architecture for payment processing, adept at server-side application development, optimization, and integration with RESTful APIs, SQL, and messaging systems like RabbitMQ, MassTransit, seeking to contribute to innovative projects in medical applications and AI platforms, demonstrating proficiency in containerization, HTTP APIs, WebSockets, version control with Git.
- Bringing over 6 years of expertise in .NET Framework, SQL databases, ASP.NET, WinForms, and DevExpress, ensuring seamless development and integration of complex health solutions while adhering to project management standards; poised to contribute to data annotation platform, leveraging Go and PostgreSQL skills to enhance scalability and advance machine learning initiatives.
- Bringing extensive PHP development expertise spanning over 2 to 6 years, I am prepared to contribute to innovative projects at various companies, including crafting core APIs, enhancing security features, and optimizing existing solutions, while adhering to best practices and fostering a collaborative work environment.
- Bringing expertise in VBA, JavaScript, and SQL, with hands-on experience developing and maintaining data collection forms, including intricate software suites with embedded calculation algorithms, data synchronization, and integration with databases, aiming to contribute to the creation of a unified data collection and analysis system.
- With over 3 years of experience in UNIX development, I specialize in optimizing network stack performance, developing packet and stream processing pipelines, and designing clustering mechanisms for efficient communication between multiple cores, contributing to the creation of a modular architecture for a new generation of network firewalls.
- As an experienced Business Applications Developer with over 4 years of expertise, I specialize in crafting high-quality front-end and back-end solutions using Python and SQL, collaborating effectively across teams to ensure robust, scalable, and secure application development for a prominent bank, thereby contributing to its operational excellence and technological advancement.
- With over 6 years of full-stack web development experience, I excel in building responsive web applications using React.js and Material-UI, coupled with robust backend services development in Java and Spring Boot, prioritizing high-quality development through comprehensive testing and efficient database management practices.

## Education

### Computer System Security in Information Technology & Business Technology

April 2006 - May 2010

University Kuala Lumpur, 1016, Jalan Sultan Ismail, 50250 Kuala Lumpur

## Key Skills

React

JavaScript/Node.js/Express.js/TypeScript/NestJS/Three.js/Vue.js

MySQL/MongoDB/SQLite

C/C++/ASM

C#/Golang/.NET

PHP/ Laravel

Python

Qt/QML

Java/Spring

Blockchain/Solidity

Machine learning/AI-driven solutions

Unity/Mobile development

VBA

Linux