

JAS SINGH

jassingh@me.com | (310) 766-7005

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Dedicated Software Engineer with **7+** years of experience, passionate about creating innovative programs to enhance organizational efficiency and success. Proven track record in optimizing **SaaS** processes, leading **Go microservices** projects, and migrating **PHP** applications for increased scalability. Detail-oriented and result-driven, committed to delivering robust and scalable software solutions. Seeking a Senior back-end role to continue expanding my scope in a fast-paced ambitious environment.

SKILLS

Programming Languages: C#, Go, Java, JavaScript, TypeScript, PHP, Python
Libraries / Frameworks: .NET, Django, Laravel, NestJS, Next.js, Node.js, React, Spring MVC, Vue
Tools / Platforms: AWS, Apache, Azure, CI/CD, DevOps, Docker, GCP, GraphQL, Linux, Nginx
Databases: MongoDB, MySQL, NoSQL PostgreSQL, Redis, Supabase

WORK EXPERIENCE

DefineTek Feb 2022 - Present
Software Engineer Irvine, CA

- Led the development and expansion of **Go** microservices by overseeing the data processing, system response times, and resource utilization, reducing workflow completion time by **2 hours+**.
- Collaborated with **7** cross-functional team members to optimize a **25,000+** lines **PHP** application using **Go microservices**, eliminating manual data sorting, and achieving a **200ms** reduction in response time.
- Developed a full-stack SaaS application with **PHP**, **React**, and **Go** microservices, which fully automated activities for scheduling, prescription services, patient care, and billing.
- Deployed the full-stack application to over **15** different private medical practices across California and boosting revenue by **\$40,000**.
- Conceptualized and implemented over **100** end-to-end tests using **Codeception**, thereby achieving **80%** code coverage and a **99.9%** system uptime.
- Pioneered the development of a full-stack **PHP** and **Vue** app for e-commerce businesses, cutting sales data aggregation and report generation processes by **25 hours** weekly.
- Enhanced data accuracy to over **98%** by improving caching strategies, database queries, and data indexing to eliminate stale data.
- Devised **C#** app by revising **60+** unit tests with xUnit, increasing coverage by **40%**, and reducing daily customer complaints from **25 tickets** to **3 tickets**.

Pacific Rim Tech Dec 2017 - Jan 2022
Software Engineer Irvine, CA

- Engineered a resident management app with **Python**, **React** which led **20,000+** users managing community fees, cut customer calls **16%** daily, and increased on-time payments by **\$250,000** monthly.
- Created and deployed an intuitive full-stack visitor management system, decreasing calls to the security team by **85%** using **Python** and **React**.
- Led the development of an access control system for over 10 different homeowner associations, saving **6 hours+** daily on entrance gate car stacking.
- Revamped an internal portal, achieved a weekly time savings of over **3 hours** by automating community notice distribution and report generation through **React**, **Python**, and **Celery**.
- Modernized a legacy application written in PHP5.6 and jQuery into **PHP 8** and **Vue**, resulting in a faster, safer, and more stable application, improving application response times by an average of **200ms**.

PROJECTS

Imagix | Website Nov 2023

- Designed and developed an AI chat application using **Next.js**, **OpenAI API**, **Supabase**, and **Redis**.
- Facilitated users in generating AI-powered images with DALL·E and participating in conversations with GPT-3.5 and GPT-4.
- Enhanced user interactions by enabling seamless sharing of chat links, providing the option to download chat histories for future reference, and implementing auto-saving of chat sessions.

EDUCATION

Western Governors University Oct 2021 – Dec 2023
Bachelor of Science in Computer Science Salt Lake City, UT