

JOSHUA MARTIN

ABOUT

Experienced senior engineer with expertise in public API design and implementation, micro services architecture and high scalable backends. Seeking opportunities to contribute to high-traffic, low-latency applications.

EXPERIENCE

SENIOR SOFTWARE ENGINEER, JAPAN AI, TOKYO, JAPAN — AUGUST 2024-JAN 2026

- Owner and primary engineer of internal NextJS administration platform for feature control, customer management etc.
- Managed deployment pipelines and optimization, reducing build & deployment time by over 60%.
- Architected usage tracking system for reporting & usage-based billing; delivering >99.9% reliability, scalability, accuracy and simple, well-documented developer integration experience
- Reduced daily error rate across platform by >50% through effective error triage, SLO definitions, and custom tooling for automatic task creation and assignment and aggressive push to introduce unit testing in all codebases enforced by CI/CD.

SENIOR SOFTWARE ENGINEER, BODYGRAM, TOKYO, JAPAN — FEBRUARY 2022-AUGUST 2024

- Designed and implemented end-to-end solution for cataloging and providing clothing size recommendations for fashion retailers based on proprietary body scanning technology. Highly scalable, handling 4-figure RPS traffic from top global retailers, utilizing AWS ECS, Lambda, DynamoDB, APIGateway & CDK, including solutions engineering for onboarding customers through bespoke integrations.
- Architected and led implementation of highly scalable public-facing API wrapping proprietary ML-based body scanning technology for direct integration in customer applications utilizing Protobuf, Go & AWS.
- AWS Cost optimizations through detailed architectural inspection and reimplementation, and performance optimization leading to 40% monthly expenditure.

SENIOR SOFTWARE ENGINEER, WEWORK, TOKYO, JAPAN — 2021-2022

- Led architecting and developing cross-platform mobile & web app utilizing native platform features with Vue.js, backed by PHP API's, including directing project migration from hand-rolled legacy frameworks to modern, secure, industry standard solutions.
- Managed AWS infrastructure for project hosting, including service migration and cost optimization. Reduced expenditure across AWS by over 50%.
- Led code review and coding standards across the platform, directing less-senior engineers to produce a higher quality, performant and enjoyable platform for external stakeholders.

SOFTWARE ENGINEER, PLAYBRAIN, TOKYO, JAPAN — 2019-2021

- Designed and developed an end-to-end web advertising platform to increase engagement between company product; projected conversion rate increase by >100%, providing user journey tracking, responsive advert design tools and brand/advert management.
- Architected and implemented end-to-end social platform for external global scale gaming company; utilizing NextJS, AWS DynamoDB, Lambda & CloudFormation, working with external engineering teams to deliver a complete, documented solution they can maintain and self-host.
- Developed platform for live & stream event analytics capture using React, TypeScript & Node.js. Introduced Test Driven Development & TypeScript into development process and tooling.

FULL-STACK DEVELOPER, EFFICIO CONSULTING, SOUTHAMPTON, UK — 2017-2019

- Responsible for full-stack (PHP7, JavaScript) REST API driven application design and development backed by MySQL & Docker.

- Core contributor to first external stakeholder-facing web-based product, championing disability/usability concerns, testing and performance issues.
- Collaborate with multifunctional team to design and produce internal platform for both internal and semi-external business consultants to manage large-scale consultancy projects.

FULL-STACK DEVELOPER, MARU/EDR, SOUTHAMPTON, UK — 2015-2017

- Large dataset Postgres query optimization for analysis and visualization leading to up to 10x performance improvements.
- Support the development of in-house customer insight software platform (PHP5/7, PostgreSQL, JavaScript) to collect and analyze large volume survey data, including providing direct support for delivering specialized solutions to key external stakeholders.
- Developed dashboard solution for reporting analysis results and trends to external clients, encompassing data retrieval and query optimization, client requirement gathering and bespoke data analysis tooling.

WEB DEVELOPER INTERN, GoMAD, LEICESTER, UK — 2013-2014

- Supported development of customer employee training platform (PHP5, MySQL, Dojo JS).
- Designed and developed customer activity reporting dashboard solutions.
- Led migration to entry into the self-service market, implementing payment gateway and subscription management.

SKILLS

- **Languages:** JavaScript/TypeScript (Vue, React), PHP (Slim, Laravel), Go, C/C++, SQL, Java, React Native, Ruby, Python
- **Infrastructure:** AWS (EC2, Lambda, DynamoDB, S3, APIGateway, ECS etc.), GCP, CI/CD (Travis CI, Bamboo, Circle CI, Gitlab, CodeBuild, Cloud Build), Docker
- **Tools:** Git, SVN, TDD, Agile/Scrum

EDUCATION

De Montfort University, United Kingdom - June 2015

- BSc in Computer Games Programming, Graduated with First Class Honors

OTHER

Unworn, SELF-EMPLOYED- 2021-PRESENT (<https://www.unworn.app>)

- Clothing management and outfit tracking mobile app. Developed in React Native, supporting cross device syncing, backed by Go APIs and Firebase. Available on iOS App Store.
- Tracks what you wear each day, offers suggestions on clothing combinations, as well as recommendations & statistics about rarely worn garments and suggestions for closet clean outs and categorization, cost usage and value for money.

KOTO-KU, TOKYO

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