

# 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.

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