

# Marcus Mellis

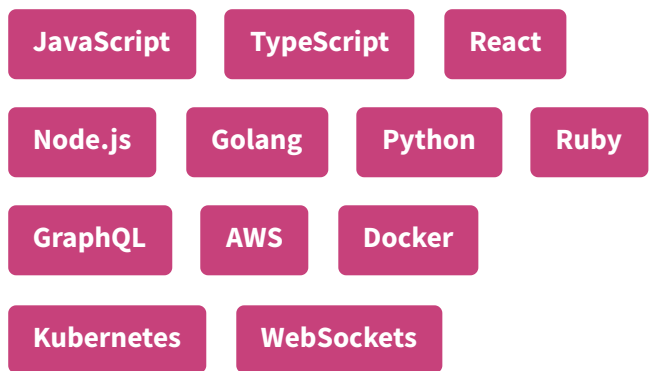
## Senior Full Stack Software Engineer

 marcusmellis2@gmail.com  310-775-2469  San Francisco, CA  linkedin.com/in/mdmellis

### Profile

Passionate Software Engineer with extensive experience building scalable, modern web applications. Skilled in **JavaScript ecosystems**, including **TypeScript**, **React**, and **Node.js**, as well as backend development using **Golang** and **Python**. Strong advocate of **team collaboration** and **agile practices**. Experienced in delivering high-performance, enterprise-level SaaS solutions, emphasizing clean code, maintainability, and optimized user experiences. Thrives in innovative and cross-functional environments.

### Skills



### Professional Experience

#### Senior Software Engineer

06/2023 – present | San Francisco, CA

*DocuSign*

Led the development of SaaS-based document automation and digital agreement solutions, focusing on enterprise-level integrations and AI-powered workflows. Utilized JavaScript, TypeScript, React, Node.js, Golang, Python, Docker, Kubernetes, and CSS frameworks (Tailwind, Bootstrap) to build scalable, high-performance software solutions.

- Built a collaborative editing feature using **WebSockets** and **React**, storing document revisions with **PostgreSQL**, managing 50,000 concurrent users with minimal latency and consistent performance during peak usage.
- Developed a digital agreement pipeline with **Node.js**, **Golang**, and **AWS Lambda**, processing 100,000 documents daily, reducing processing time by 40% while maintaining high reliability and data integrity.
- Enhanced rendering performance by 30% using **SSR** with **Next.js**, optimizing CDN caching and **Node.js** pre-rendering, improving user load times and reducing page latency significantly.
- Improved API performance using **Golang** and **GraphQL**, optimizing data querying and caching with **Redis**, resulting in a 25% decrease in response times during high-traffic events.
- Created an AI-based signature verification module with **Python** and **TensorFlow.js**, increasing validation accuracy by 20% while reducing manual checks, saving compliance teams valuable time.
- Deployed microservices on **AWS ECS** with **Docker** and **Kubernetes**, automating scaling via **Helm** for fault tolerance, maintaining zero downtime during updates and service improvements.
- Implemented advanced monitoring with the **ELK stack**, **Prometheus**, and **Grafana**, enabling comprehensive error tracking and reducing debugging time by 50% through real-time data visualization.
- Built responsive front-end components with **React**, **Next.js**, and **Tailwind CSS**, managing complex state efficiently using **Redux Toolkit**, ensuring consistent UI and smooth user interactions.
- Conducted performance benchmarking using **Locust** and **Apache JMeter**, identifying bottlenecks and optimizing throughput by 20%, enhancing the responsiveness of key document processing services.
- Implemented automated end-to-end testing using **Cypress** and **Jest**, achieving 85% test coverage, detecting edge cases early, and reducing production bugs by 30%.

## Senior Software Engineer

05/2021 – 05/2023 | San Francisco, CA

*Apple*

Led the development of an internal data visualization platform for enterprise-level performance monitoring and analysis, focusing on web-based interactive dashboards and real-time data processing. Utilized React, Node.js, Go, Swift, Python, Kubernetes, Docker, and CI/CD technologies to deliver high-availability solutions.

- Built a performance monitoring dashboard using **React**, **D3.js**, and **GraphQL**, visualizing large datasets from **AWS RDS** and **S3**, enabling 200 internal users to track metrics with real-time insights.
- Implemented data aggregation services with **Node.js** and **Go**, efficiently processing 500,000 data points per hour from IoT devices and external APIs, improving data accuracy and reporting speed.
- Integrated a real-time alerting system with **WebSockets**, **Kafka**, and **Swift**, providing instant notifications to teams, reducing response times by 30% during critical performance incidents.
- Designed a data ingestion pipeline with **Python**, **Swift**, and **AWS Lambda**, automating the processing of data from various sources, ensuring consistency and reducing manual workload by 50%.
- Enhanced user authentication using **OAuth 2.0** and **SSO** integration with **Swift** and **Node.js**, securing access for 200,000+ employees and maintaining robust security compliance.
- Set up CI/CD pipelines with **Jenkins**, **Docker**, and **Kubernetes**, automating testing and deployment, reducing release time by 70% while maintaining consistent software quality across environments.

## Software Engineer

06/2018 – 05/2021 | San Francisco, CA

*Pinterest*

Contributed to the development and deployment of an interactive content recommendation engine, leveraging **Python**, **Java**, **Ruby on Rails**, **GraphQL**, **React**, and **Kubernetes**, optimizing personalized feed algorithms and boosting user engagement by 20% through data-driven content curation.

## Software Engineer

06/2017 – 05/2018 | Cupertino, CA

*Apple*

Developed internal data visualization and analytics tools for performance monitoring, utilizing **React**, **D3.js**, **Node.js**, and **Python** to create interactive dashboards, improving operational efficiency by enabling real-time insights for cross-functional teams.

## Software Engineer

06/2016 – 05/2017

*Walmart Global eCommerce*

Modernized legacy e-commerce systems by integrating **React/Redux**, **Node.js**, and **Hapi** for the Sam's Club web app, significantly enhancing performance and maintainability while managing high-traffic user requests of up to 10,000 per second.

## Education

---

### Bachelor of Science

07/2012 – 05/2016 | Irvine, CA

*University of California*