

# Fabricio Guardia

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## Professional Summary

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Strategic and forward-thinking Full Stack JavaScript Developer with 7+ years of experience delivering scalable, high-performance applications across SaaS, logistics, smart infrastructure, and e-commerce. Proven ability to lead complex builds from architecture to launch using modern stacks like React, Next.js, Node.js, and GraphQL. Expertise in cloud-native DevOps workflows, containerization, and third-party API integrations. Passionate about blending software engineering with data science, AI, and automation to deliver predictive, personalized, and efficient user experiences.

## Technical Skills

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**Frontend:** React.js, Next.js, Redux, Tailwind CSS, Bootstrap, Sass, Three.js

**Backend:** Node.js, Express.js, GraphQL, REST APIs

**Database:** MongoDB, PostgreSQL, MySQL, Mongoose

**Cloud & DevOps:** Docker, Kubernetes, PM2, AWS (EKS, EC2, ECS, S3, SES), Certbot

**Tooling:** GitHub Actions, Nginx, Stripe, Twilio, Google Maps API, Google Analytics

**Data & AI:** Python, Pandas, Scikit-learn, FastAPI, Chart.js, D3.js

## Professional Experience

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### **Middler - Predictive Estimating Platform for the Painting Industry**

Full Stack Software Engineer | Jan 2024 – Present

- Built an AI-powered platform from the ground up to standardize painting job estimates across regions.
- Integrated a machine learning engine (Python, scikit-learn) for real-time ZIP code-based pricing predictions.
- Designed a modular, scalable system architecture using Next.js, Node.js, GraphQL, and MongoDB.
- Implemented Stripe payments, Twilio-powered SMS updates, and AWS SES for estimate communication.
- Created analytics dashboards for contractors to monitor estimates, trends, and close rates.
- Led deployment and CI/CD using Docker, Railway, and AWS EC2, ensuring high performance and uptime.

### **California State University / NSF CREST CATSUS**

Full Stack Software Engineer | Jun 2021 – Oct 2024

- Developed and maintained a public research website supporting Cal State LA's \$5M NSF sustainability center.
- Engineered reusable CMS features for academic teams to publish papers, events, and outreach content.
- Achieved accessibility and performance compliance (WCAG, SEO) across all major research sections.
- Deployed AWS SES pipelines for research updates, newsletters, and stakeholder engagement.

## **Innovative Stones Inc - Smart Warehouse & Logistics System**

Full Stack Software Engineer | Mar 2022 – Jan 2024

- Created an end-to-end inventory and order fulfillment system for a high-volume countertop supplier.
- Developed 80+ API endpoints in Node.js and GraphQL for quoting, job scheduling, deliveries, and payments.
- Used Twilio and Google Maps API to automate real-time SMS delivery tracking and location updates.
- Integrated Python-based scheduling logic to improve delivery accuracy and reduce late arrivals.
- Refactored monolithic architecture into modular Docker-based microservices deployed on AWS ECS.

## **Victorias Maid Service**

Full Stack Software Engineer

- Built a fast, user-friendly booking system with Next.js 14, Tailwind CSS, and Redux.
- Connected a GraphQL backend with AWS SES for email confirmations and customer communication.
- Deployed to AWS EC2 with Nginx reverse proxy and PM2 process management.

## **Fairline Defense - E-commerce Subscription Service**

Full Stack Software Engineer

- Integrated Stripe billing for subscription plans and coupon logic via a custom admin portal.
- Built responsive product pages and optimized client-side data fetching using GraphQL.
- Converted Figma designs into accessible, pixel-perfect UI with Tailwind CSS and Sass.

## Highlighted Projects

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- [middler.com](https://middler.com) – AI-powered painting estimate platform
- [calstatela.edu/research/catsus](https://calstatela.edu/research/catsus) – NSF CREST research showcase
- [victoriasmaidservice.com](https://victoriasmaidservice.com) – On-demand cleaning SaaS
- [fairlinedefense.com](https://fairlinedefense.com) – E-commerce subscription model
- [sunshinek9s.com](https://sunshinek9s.com) – Dog sport competition platform

## Education

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**General Assembly** – Software Engineer Immersive Program (Web Development)

Los Angeles, CA • 2020–2021