

# Miguel Gacuma

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## Technical Skills

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Languages: Javascript, Typescript, HTML, CSS, Java, C, C++, Kotlin, SQL, Tagalog (Filipino)

Technologies: Node.js, Redis, Postgres, GraphQL, REST API, Docker, Kubernetes, Git, AWS

Frameworks: Express.js, React.js, Material UI, Axios, Mocha, Jest

## Work Experience

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Software Engineer - Envoy

May 2022 - January 2023

- Revamped existing integrations for Slack and Teams, utilizing Node.js applications developed with Javascript and Typescript, to deliver new products and features to over 15,000 weekly active users.
- Established data caching and storage solutions with Redis and PostgreSQL, optimizing backend service communication and significantly reducing asynchronous HTTP request wait times by 250ms.
- Ensured a professional level of quality by following a Test Driven Development approach, building unit tests with frameworks like Jest and Mocha, to uphold 90% code coverage.
- Spearheaded migration projects for several applications to Kubernetes clusters, containerizing apps using Docker, and leading the team as subject matter expert to provide support for migration tasks.

Senior Autonomous Vehicle Tester - Zoox

September 2019 - February 2021

- Conducted real-world durability tests on autonomous test vehicles, including safety inspections and specialized test procedures, to collect a daily average of 150 miles of autonomous test data.
- Documented test findings and provided feedback on system behavior in a clear and concise manner to mitigate unpredictable maneuvers and increase ride quality.
- Demonstrated a deeper understanding of the vehicle systems and components to quickly administer common troubleshooting practices and workarounds to uphold 95% system uptime.
- Trained fresh hires on a complex system using an adaptive teaching approach tailored to individual learning styles, improving new hire onboarding time by 20%.

## Projects

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MatchTracker.gg - [Link](#)

- Developed a full-stack web app to efficiently display local and online fighting game tournaments and inform users of ongoing event status and match results within three clicks.
- Established a backend RESTful API microservice, leveraging GraphQL queries to retrieve necessary data sourced from Start.gg's platform for faster and smaller data fetching.
- Designed an intuitive web UI using React with Material UI components and CSS to display up to 50 relevant tournament information and create an interactive and informative user experience.

## Education

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Bachelor of Science in Computer Engineering  
San Francisco State University

December 2021