**Gabe De Mesa**

San Francisco, CA | [demesagabe@gmail.com](mailto:demesagabe@gmail.com) | 925-849-7190 | [LinkedIn](https://www.linkedin.com/in/gabedemesa/)

**Education**

Master of Computer Science January 2023 – December 2024

University of Illinois, Urbana-Champaign

B.S. in Computer Science September 2018 - December 2021

University of California, Irvine

**Work Experience**

**Senior Software Engineer** May 2025 - Current

OpenAI, San Francisco CA

Contractor role where I am working on model training and evaluation.

* Crafting high-quality prompts and problems in open-source repos for TypeScript and Python
* Writing robust rubrics, prompts and tests to measure and evaluate model performance
* Utilizing Codex, Docker, shell scripts, and Linux to build & deploy training examples for models
* Collaborating with OpenAI researchers and engineers to rapidly iterate and incorporate feedback

**Software Engineer II** September 2024 - Current

OpenGov, San Francisco CA

Enabling over 2,000 governments serve their local jurisdictions more effectively and responsibly.

* Working comfortably in React & Vite to build accessible frontend features using Material UI
* Responsible for building PDF and CSV receipt generation for cities with over 500k residents.
* Reduced GHA pipeline performance by 5 minutes resulting in a 33% performance improvement
* Leveraging AI tools such as Cursor, ChatGPT, and Claude, to accelerate feature delivery times.

**Software Engineer II** October 2022 - May 2024

Bayer, San Francisco CA

Spearheaded a feature-rich web application enabling farmers to enroll over 60,000 acres of farmland into sustainable agriculture leading to over $500,000 of gross profit.

* Led React, Vite, and Material UI efforts to build hundreds of frontend features and components
* Mentored peers and led design reviews on problems like deploying to scale to over 100,000 users
* Piloted developer operations with GitHub and GitLab pipelines resulting in saving over 4 hours a day and reducing over 20 tickets of technical debt in the backlog
* Conducted the effort to orchestrate all API calls through a GraphQL orchestration layer thus reducing memory bottlenecks and response times to under 300ms per request

**Software Engineer** June 2021 – October 2022

Bayer, San Francisco CA

Developed the Internal Tools Portal to combine over 100 endpoints and deliver a data dashboard for an experimental fungicide. Enabled customer support agents to reduce customer response times by >80%

* Managed and maintained over 100,000 lines of code for an internal tools-portal
* Designed and facilitated using TypeScript, Cypress, Yarn, Node.js, and over 100+ other deps
* Achieved AWS Cloud Practitioner License and SAFe license with over 100+ hours of training
* Coordinated 100+ instances with AWS & Azure resources with CloudFormation & Terraform
* Developed Java, Maven, Docker, and libraries to handle thousands of requests daily

**Technical Skills**

* **Programming Languages:** TypeScript, JavaScript, Python, Go, C, C++, Assembly, Java, SQL
* **Software Tools:** Django, Next.js, React, AWS, Git, Linux, Docker, Node.js, GraphQL
* **Cloud Architecture:** API Gateway, ELB, EC2, S3, IaC, DynamoDB, IAM, Serverless Compute
* **Areas of Expertise:** Frontend, Backend, DevOps, SRE, MLOps, AI Engineering
* **Databases:** MySQL, Postgres, Redis, DynamoDB, MongoDB, Cassandra, Redshift