**Gabe De Mesa**

San Francisco, CA | [demesagabe@gmail.com](mailto:demesagabe@gmail.com)

**Education**

Master of Computer Science January 2023 – est. Jan 2025

University of Illinois, Urbana-Champaign

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

University of California, Irvine

**Work Experience**

**Software Engineer II** October 2022 - Current

Bayer, San Francisco CA

Spearheaded an effort to deploy a feature-rich web application showcasing analytics, reporting and charts

* Supported micro-frontend efforts to compartmentalize frontend components
* Peer-programed with other engineers on technically complex problems like deploying to scale
* Streamlined and standardized developer operations to help save time and reduce technical debt
* Lead the effort to orchestrate all API calls through a GraphQL orchestration layer thus reducing memory bottlenecks and response times

**Software Engineer I** January 2021 – Oct 2022

Bayer, San Francisco CA

In addition to my previous responsibilities as an intern listed below, I was working to deliver a comprehensive online web application for our customers

* Used Typescript, yarn, node, and other numerous technologies to develop a frontend application
* Obtained AWS Cloud Practitioner License and Scaled Agile Framework (SAFe) training
* Deployed AWS resources with CloudFormation and setup IAM permissions through code
* Utilized Java, Maven, & Docker, and libraries to maintain a Netflix-like backend architecture

**Software Engineering Intern** June 2021 – September 2021

Bayer, San Francisco CA

Worked on the Internal Tools team to deliver a data dashboard for an experimental fungicide.

* Responsible for over 100,000 lines of code for an internal tools-portal
* Constantly communicating and iterating on user feedback using the SAFe framework
* Worked in React, rigorously tested in Cypress, ticketed in Jira, and pipelined with GitLab

**Projects**

**Digital Dealer Enablement Portal**

A power reporting, charting, and analytics dashboard created for Climate dealers to view their growers

* Introduced new technologies like GraphQL and single-spa micro-frontends
* Transformed old monolithic features into fresh and new software components

**Delaro 2021 Dashboard**

A comprehensive data analytics dashboard for Bayer Crop Science’s Fungicide Trials

* Implemented an enrollments table to view grower information and fields participated
* Enabled customer support specialists to visualize grower information and fields

**Technical Skills**

* **Programming Languages:** Typescript/Javascript, Python3, C/C++, Assembly, Java, Bash, SQL
* **Software Tools:** Django, Yarn, React, AWS, Git, Gitlab, Linux, Docker, NodeJS, GraphQL
* **Cloud Architecture:** API Gateway, ELB, EC2, S3, IaC, DynamoDB, IAM, Serverless Compute
* **Comfortability:** Frontend, Backend, DevOps, SRE
* **Certifications:** AWS Certified Cloud Practitioner License, iOS CodePath Certification