

Gabe De Mesa

San Francisco, CA | demesagabe@gmail.com

Education

Master of Computer Science
University of Illinois, Urbana-Champaign

January 2023 – est. Jan 2025

B.S. in Computer Science
University of California, Irvine

September 2018 - December 2021

Work Experience

Software Engineer II
Bayer, San Francisco CA

October 2022 - Current

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

- Supported micro-frontend efforts to compartmentalize frontend components
- Peer-programmed 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
Bayer, San Francisco CA

January 2021 – Oct 2022

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
Bayer, San Francisco CA

June 2021 – September 2021

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