

Gabe De Mesa

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Education

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

September 2018 - December 2021

Work Experience

Software Engineer I

Climate, San Francisco CA

January 2021 - Current

In addition to my previous responsibilities as an intern listed below, I am 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
- Learned GraphQL and used that knowledge to fill gaps in our team's an orchestration layer

Software Engineering Intern

Climate, 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

Airport Software Engineering Intern

Buchanan Field Airport, Concord CA

April 2020 – Jan 2021

Single handedly delivered a full-scale, production-ready online syllabus and flight time recording system. Closely worked with user-feedback and incremental test-driven development.

- Developed with Django in Python, AWS, and PostgreSQL for the backend
- Designed front-end interface with HTML, CSS, and JavaScript
- Utilized non-blocking, asynchronous web technologies like Celery, AJAX, and Redis

Projects

Pacific States Aviation - Technical Course Outline

An online e-learning platform for my local airport's flight school

- Empowered over 100 students and instructors to work from home during a pandemic
- Revitalized paper flight instruction syllabuses

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, Python3
- **Software Tools:** PostgreSQL, Django, React, AWS, Git, Linux, Docker, NodeJS, GraphQL
- **Concepts:** Statistics, Data Structures, Algorithms, ML, AI, Databases, Operating Systems
- **Comfortability:** Frontend, Backend, DevOps