

Jakob Esperson

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EXPERIENCE

Incoming DevOps Engineering Intern

June 2025 - Sept 2025

Western Digital | Roseville, CA

- Will assist in designing, developing, and automation solutions across multiple engineering teams using Jenkins, Shell Scripting, Git, etc.

Junior DevOps Engineer

Sept 2024 - April 2024

CMG Financial | Remote

- Continued development of web portal to create **sandbox environments** and created **plugins/webhooks** from scratch to connect with services such as PagerDuty
- Supported various developer teams in **vetting Dockerfiles**, creating **Terraform pipelines**, allocating resources, and setting permissions in Azure DevOps

DevOps Engineering Intern

June 2024 - Sept 2024

CMG Financial | Roseville, CA

- Developed **web portal** for DevOps team to streamline **feature requests** using Angular/Flask and Microsoft Azure APIs to improve feature completion rate by 20%+
- Created update script using VBS scripting to ensure devices **stay up-to-date** and enrolled in **management systems**, saving IT support ticket team 2+ hours per day and
- Configured and supported 1000+ standard laptops to improve efficiency of **intake** and **outtake** operations by 50%+

PROJECTS

BroncoNest

Feb 2025 - Apr 2025

SCU Senior Design | Capstone Project

- Used Figma, Flutter, Firebase, and Flask to develop **full-stack** application for assisting current and prospective students in finding on-campus dorm options and off-campus housing
- Leveraged **AI RAG** techniques to take custom text-based user filters and match best options and recommendations for any given user

Google Calendar to when2meet

May 2024

Personal Project | [Chrome Store Link](#)

- Used JavaScript, Google OAuth, and Google Calendar API to automatically fill out when2meet forms, a peer-to-peer scheduling platform, from Google Calendar events
- Designed web scraping techniques and calendar event manipulation to **accurately transform data** with various options

JetStream

Dec 2023

Seattle AWS INRIX Hack | Finalist

- Used React and deck.gl to create full itinerary plans from start to finish for business trips as well as personal flights, with an **interactive 3D map** to display points of interest and flight paths based on user input
- Utilized **7 different APIs**, including INRIX traffic and Flight Price + Status, to gather data that included flight paths, driving and public transit routing and costs, and interactive map elements

EDUCATION

Santa Clara University | Bachelor of Science in Computer Science and Engineering

Expected June 2026

- **Relevant Coursework:** Advanced Data Structures, Computer Architecture, Computer Networks, Object-Oriented Programming, Theory of Algorithms, Calculus and Analytical Geometry
- **Organizations:** Association of Computer Machinery President, Theta Tau Engineering Fraternity Professional Development Chair

SKILLS

Languages: C/C++, C#, Python, HTML/CSS, JavaScript, Dart, SQL, Ruby, Terraform

Frameworks: Frontend - React, Angular, Vue, TailwindCSS, Flutter | Backend - SQL, Firebase, Node.js, Flask/Express, REST APIs

Tools: Git, GitHub, Docker, Vercel, Figma, Postman, AWS, S3, Sagemaker, Bedrock, Azure, AI, RAG, Slack, Trello, Zoom, Linux/Unix, Windows, Azure DevOps

Interests: UI/UX, Machine Learning, Computer Vision, Video Game Design, Computer Hardware, Video Editing, Baseball