

JAKE ESPERSON

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EXPERIENCE

- DevOps Engineering Intern** June 2025 – Present
Western Digital Roseville, CA
 - Assisting in designing, developing, and automating solutions across multiple engineering teams using Jenkins, Shell Scripting, Git, etc.
- Junior DevOps Engineer** Sep. 2024 – Apr. 2025
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 – Sep. 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
 - Configured and supported 1000+ standard laptops to improve efficiency of intake and outtake operations by 50%+

PROJECTS

- DevOps Lab** | *Bash, Docker, Jenkins, Kubernetes, Terraform* Apr. 2025 – Present
 - Personal development environment for learning and practicing DevOps tools and techniques
 - Created CI/CD pipeline using Jenkins and Docker to automate build and deployment process for sample application
 - Working up to provisioning and managing infrastructure for personal portfolio using Terraform and Kubernetes
- BroncoNest** | *Flutter, Flask, Firebase, AI RAG, Figma* Feb. 2025 – Apr. 2025
 - Developed a full-stack mobile application using Flask serving a REST API with Flutter frontend for college housing
 - Implemented Firebase Authentication to manage user access and Firestore for database storage
 - Hosted an AI RAG model using Llama, Jira, and Pinecone to provide personalized responses to user dorm queries
 - Collaborated with a team of 3 to present to 5 industry professionals for senior design capstone project
- JetStream** | *React, deck.gl, OAuth, APIs, Mapping, AWS x INRIX Hack Seattle Finalist* Dec. 2023
 - Used React and deck.gl to create full itinerary plans from start to finish for business trips and personal flights, with an interactive 3D map to display points of interest and flight paths based on user input
 - Utilized 7 external APIs, including INRIX traffic and Flight price APIs, to gather data including flight paths, driving / public transit routing and costs, and interactive map elements hosted on AWS EC2

EDUCATION

- Santa Clara University** Santa Clara, CA
Bachelor of Science in Computer Science and Engineering Sep. 2022 – June 2026
 - Relevant Coursework: Advanced Data Structures, Computer Architecture, Computer Networks, Object-Oriented Programming, Theory of Algorithms, Operating Systems
 - Organizations: Association for Computing Machinery President, Theta Tau Engineering Fraternity Professional Development Chair

SKILLS

Languages: C/C++, Python, HTML/CSS, JavaScript/TypeScript, Dart, Terraform, Bash Script, YAML
Frameworks: Frontend – React, Angular, Vue, TailwindCSS, Flutter | Backend – Firebase, Node.js, Flask, Express, REST APIs
Tools: Git, GitHub, Docker, Vercel, Figma, Postman, CI/CD, AWS, S3, Sagemaker, Bedrock, Azure, AI RAG, Slack, Linux/Unix, Windows, Azure DevOps
Interests: UI/UX, Computer Vision, Video Game Design, Computer Hardware, Video Editing, Baseball