

# Ricardo Godinez

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## OBJECTIVE

Computer Engineer seeking a challenging full-time position that leverages my expertise in Software Development, Cybersecurity, Cloud Infrastructure, and DevOps to contribute innovative solutions that enhance software performance, network security, and streamline CI/CD operations within a dynamic, fast-paced team environment.

## EDUCATION

**Bachelor of Science, Computer Engineering, May 2025**

**California State Polytechnic University-Pomona, Pomona, CA (GPA: 3.3)**

Relevant course work: Fundamentals of Cybersecurity, Cryptographic Algorithms on Reconfigurable Hardware, Operating Systems for Embedded Applications, Software Engineering, Computer Architecture, Communication Systems, Signals and Systems, Control Systems, Microcontrollers

## TECHNICAL SKILLS

- Programming Languages: C, C++, Python, Java, JavaScript, Bash, SQL
- Software Tools: Red Hat Enterprise Linux, Git, Docker, Kubernetes, VMware
- Infrastructure Tools: AWS, Azure, OCI, GCP, Aviatrix, ServiceNow, Terraform, Ansible, Vagrant
- Certification: Aviatrix Certified Engineer, Multicloud Network Associate

## WORK EXPERIENCE

Cloud Infrastructure Intern

June 2024 - August 2024

Dine Brands Global, Pasadena, CA

- Analyzed, documented, and improved cloud infrastructure in Aviatrix, Amazon Web Service (AWS), Google Cloud Platform (GCP) and Oracle Cloud Infrastructure (OCI) ensuring reliability and efficiency in multicloud network architecture (MCNA).
- Identified and recommended improvements in Aviatrix, Sitecore, and Identity Access Management (IAM) framework for streamlined management, simplified infrastructure, and cost reduction to stakeholders.
- Collaborated with DevSecOps Engineer and Software Engineers to secure automated CI/CD pipelines utilizing GitHub, Jenkins and JFrog.

Information Technology Intern

August 2023 - January 2024

Adams Rite Aerospace, Fullerton, CA

- Monitored network activity on SIEM for indicators of compromise to ensure robust and reliable network connectivity for 150+ users ensuring NIST 800-171 security compliance.
- Collaborated with System Administrator and Computer Technician to migrate users to Microsoft 365 applications by developing bash scripts increasing deployment efficiency by over 80%.
- Authored over 120 pages of technical documentation for Azure, CrowdStrike Falcon, and Mitel telecommunications.

Mobile and Web Apps Developer Student Assistant

June 2022 - August 2023

California State Polytechnic University-Pomona, Pomona, CA

- Designed and implemented automation scripts for server-side workflows and client-side processing in ServiceNow Enterprise Service Management, enhancing incident management, request fulfillment, and self-service capabilities.
- Executed changes to over 20 service catalogs on the eHelp website plays a crucial role in IT ticket management.
- Implemented and tested geospatial information on campus map using Cascade CMS highlights all ADA accessibility entrance points to meet standards of Americans with Disabilities Act of 1990.

## ACADEMIC PROJECTS

DevOps Engineer

August 2024 - Present

AIOPS: Artificial Intelligence for DevOps

- Deploy infrastructure in a hybrid cloud environment provisioning Kubernetes, Prometheus, and Grafana using Vagrant, Terraform, and Ansible for automated deployment, and Red Hat Linux, VMware, and AWS for environment setup.
- Design AI algorithms and leverage data analytics to suggest improvements, predict failures, and maintain security based on analyzed data from cluster health.
- Utilize AWS services such as VPC, EC2, S3, IAM, Route 53, and Lambda to streamline pipelines and optimize operations.

Software Engineer

August 2022 - May 2023

Lockheed Martin Autonomous UAV Search and Rescue Mission

- Utilized OpenCV, YOLOv5, and TensorFlow frameworks on a Jetson Nano to develop and optimize computer vision algorithms for search UAV ensuring precise identification of targets in real-time.
- Developed and optimized obstacle avoidance and trajectory algorithms for search and rescue UAVs by integrating LiDAR sensors and leveraging machine learning, ensuring dynamic adjustments to flight paths for improved safety, efficiency, and adaptability in complex environments.
- Ensured all deadlines for SDLC are met and created technical documentation for future software team.

## PROFESSIONAL ORGANIZATIONS

Member: Society of Hispanic Professional Engineers (SHPE), Maximizing Engineer Potential (MEP), Kellogg Honors College (KHC)