

Frank Mancía

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EXPERIENCE

Information Security Analyst

Jun. 2024 – Present

California State University, Office of Chancellor

Full-time, Long Beach

- Migrate antivirus software from ESET to CrowdStrike for 1000+ employee workstations.
- Initiated and led a project for AWS S3 data classification and policy.
- Monitor and manage security tools (CrowdStrike, ProofPoint, Tenable, Firewall rules, BeyondTrust EPM).

Operations Member Volunteer

Aug. 2023 – Present

Western Regional Collegiate Cyber Defense Competition

Volunteer, Remote

- Provision multiple (Ubuntu) Linux virtual machines in vCenter and Proxmox.
- Manage and troubleshoot critical services (Dovecot, Postfix, Apache, LDAP (for authentication)).
- Collaborate with Operations team to design environment for about 20 university competing teams.

Information Security Student Assistant

Nov. 2019 – Dec. 2023

California State University, Office of Chancellor

Part-time, Remote

- Reviewed security logs on ServiceNow and escalated issues when required.
- Managed and monitored Qualys vulnerability scanner for web applications (WAS) and servers.
- Improved asset management for servers and employee workstations in Certero and Microsoft AMS.

EDUCATION

California State University, Long Beach

Long Beach, CA

Bachelor of Science in Computer Science, Minor in Cyber Security Applications

Aug. 2019 – Dec. 2023

- Cyber Security Club Board Member

PROJECTS

Real Time Chat App v2 (Serverless) | *Lambda, DynamoDB, Remix, Terraform,*

April. 2024 – Present

- Using Lambda and API Gateway for serverless architecture to support real-time chat functionalities.
- Plans to use Amazon Cognito for user accounts and CloudFront to serve client site.

Real Time Chat App | *Node.js, React.js/Typescript, Terraform, AWS*

Jan. 2023 – Feb. 2023

- Developed a full-stack web application using React.js/Typescript and Socket.io to handle real time chat conversations with Node.js.
- Deployed client build to an s3 bucket and ran application on an EC2 Ubuntu machine using Terraform.
- Automated build and deployment process through GitLab CI/CD pipeline.

Campustalk (Senior Project) | *React.js, Node.js, SQL, Docker, GCP*

Feb. 2023 – Nov. 2023

- Developed API endpoint and database architecture with password hashing.
- Protected against broken access control by reviewing authentication on endpoints.
- Conducted code reviews and simple penetration tests (sqlmap, Burp Suite).
- Deployed project using Docker, Docker Compose, and Google Cloud VM.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, HTML/CSS, Typescript, C, Bash

Applications: Microsoft Office, Zoom, ServiceNow, Qualys, Certero, GlobalProtect VPN, vCenter, Proxmox

Developer Tools: Docker, Terraform, VS Code, Visual Studio, AWS

Penetration Testing Tools: Metasploit, Burp Suite, nmap, Feroxbuster, ffuf, Bloodhound