Frank Mancia

linkedin.com/in/frank-mancia | frankmancia.com

EDUCATION

California State University, Long Beach   Long Beach, CA
Bachelor of Science in Computer Science, Minor in Cyber Security Applications   *Aug. 2019 – Dec. 2023*

EXPERIENCE

Operations Team Member   Aug. 2023 – Present
Western Regional Collegiate Cyber Defense Competition   *Volunteer, Remote*

- Provision multiple (Ubuntu) Linux virtual machines in vCenter and Proxmox.
- Managed and troubleshooted critical services (Dovecot, Postfix, Apache, LDAP (for authentication)).
- Documented changes and configurations.

Competitor - CSULB Cyber Security Club   *Nov. 2022 - Feb. 2023*

- Analysed and secured Windows and Linux systems/services in a mock real world environment with active red teamers.
- Responded to attacks and created incident response reports.

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.
- Assisted employees with upgrading software and troubleshooting over Zoom and email.

PROJECTS

VMware HomeLab | *VmWare Workstation*   Jan. 2023 – Present

- Configured basic Vyos Router to serve as internet gateway to priavte subnet.
- Deployed Active Directory on Windows 2019 Server, Apache server on Ubuntu 22.04, and Windows 10 client machine.
- Next steps to setup SCCM and Windows Monioring server (Nagios).

Real Time Chat App | *Node.js/Express.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/Express.js.
- Deployed onto AWS EC2 Ubuntu machine with client build on an AWS s3 bucket using Terraform.
- Automated build and deployment process through GitLab CI/CD pipeline.

Campustalk (Senior Project) | *React.js, Node.js/Express.js, MySQL, 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 (MySQL), JavaScript, HTML/CSS, Typescript, C, Bash
Frameworks: React.js, Node.js, Express.js, Flask
Developer Tools: Git, Docker, Terraform, Google Cloud Platform, VS Code, Visual Studio, AWS
Penetration Testing Tools: Metasploit, Burp Suite, nmap, Feroxbuster, ffuf, Bloodhound