

Zaid Yazadi

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Education

Pennsylvania State University

Bachelor of Science (B.S.) in Computer Engineering

- GPA: 3.78 / 4.0

June 2018 – May 2022

State College, PA

Experience

Capital One

Associate Software Engineer (Card Tech)

August 2022 – October 2023

Chicago, IL

- Led initiative to merge separate AWS-hosted payment authorization gateways into one, slashing team costs, resources, and maintenance by ~50%
- Integrated OneLake data storage software into gateways via Java code modifications, preserving performance while extending log storage and analysis capabilities beyond 30 days
- Resolved a critical race condition impacting partner connections within Python-based AWS Lambdas, improving performance, codebase clarity, and client support
- Deployed multiple new partners to secure production environment gateways, increasing transaction bandwidth and security without stopping real-time customer transactions
- Collaborated in maintenance, updates, and testing of Payment Authorization gateways for various third-party partners using cloud, CI/CD, DevOps, automation, and testing tools

Capital One

Software Engineering Intern (Cloud & Productivity)

June 2021 – August 2021

McLean, VA (Remote)

- Created a quarterly-run AWS Security Group Audit System for Capital One's cloud infrastructure to monitor low-usage resources, aiming to reduce costs and improve resource utilization
- Led development of the system's AWS Lambda Notification Engine, utilizing PostgreSQL and Python to incorporate data analysis and email functionalities
- Presented an initial prototype of the AWS Audit System to management, facilitating the continuation of the cloud maintenance initiative by the full-time team
- Studied and implemented secure coding practices to address and prevent OWASP vulnerabilities, strengthening the security of cloud-based projects

AirV Labs

Software Engineering Intern

June 2020 – August 2020

San Jose, CA

- Conducted manual unit testing and integration testing of Robotic Surgery Simulation Software, leading to a successful client demonstration
- Played a pivotal role in reducing development costs by recommending Nibiru HMD over Oculus Quest 2 after compatibility testing on Unity, enhancing software integration and cost efficiency
- Assisted in drafting a patent application for a VR telecommunication product, contributing to the protection of intellectual property and advancement in VR technology

IBM

Federal Sector Early ID Program

June 2020 – November 2020

San Jose, CA (Remote)

- Won a team competition with two mentees, focusing on reducing accreditation fraud and costs in the Federal Accreditation Process using automation and machine learning

Skills & Certifications

- **Coding Languages:** Java, Python, JavaScript (Node.js), SQL, Rust, C, C++, XML, HTML, Bash
- **Technology Experience:** Git, Docker, Jenkins, Spring Boot, Maven, Terraform, Linux, Windows, PostgreSQL, REST API, OpenSSL, ServiceNow
- **Testing/Monitoring Software:** Splunk, DataDog, New Relic, OneLake, Artifactory, JUnit Testing, Cucumber, Apache JMeter, Swagger
- **Cloud Services:** Amazon Web Services (AWS) - Proficient, Microsoft Azure - Familiar
- **Certifications:** Certified Secure Software Engineer (Capital One), AWS Solutions Architect - Associate (In-Progress)