

Zaid Yazadi

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Education

Pennsylvania State University, State College, PA
B.S. in Computer Engineering

June 2018 – May 2022

Experience

CAPITAL ONE, CHICAGO, IL

August 2022 – October 2023

Associate Software Engineer (Card Tech)

- Converged multiple partner authorization gateways into one, reducing assigned gateways from three to one, saving cost, resources, and maintenance efforts by ~50%
- Implemented code changes to incorporate data storage software into our gateways while maintaining expected performance levels, enabling proper log storage and analysis beyond 30 days
- Consolidated conflicting AWS Lambdas, resolving a critical race condition that previously caused mistimed sign-offs for partner connections, resulting in improved overall system performance, codebase clarity, and client support
- Onboarded multiple new partners to secure production 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, and testing tools

CAPITAL ONE, MCLEAN, VA

June 2021 – August 2021

Software Engineering Intern (Cloud & Productivity)

- Developed 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
- Created and 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, enhancing the security of cloud-based projects
- Actively participated in multiple webinars and training sessions on various topics, including technology and leadership, contributing to professional development and broader knowledge in the field

AIRV LABS, SAN JOSE, CA

June 2020 – August 2020

Software Engineering Intern

- Conducted functionality testing of Robotic Surgery Simulation Software and compatibility testing of Nibiru HMD for Airv Labs, leading to a successful client demonstration and strategic replacement of Oculus Quest 2 HMDs
- Played a pivotal role in reducing development costs by evaluating and recommending Nibiru HMD over Oculus Quest 2, enhancing software integration and cost efficiency
- Assisted in drafting a patent application for an innovative VR telecommunication product, contributing to the protection of intellectual property and advancement in VR technology

IBM, SAN JOSE, CA

June 2020 – November 2020

Federal Sector Early ID Program

- 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, Express), SQL, C/C++, HTML, XML, Bash
- **Technology Experience:** Git, Docker, Jenkins, Spring Boot, Maven, Terraform, Linux, Windows, PostgreSQL, gRPC, REST API, OpenSSL, ServiceNow, Unity VR development
- **Testing/Monitoring Software:** Splunk, DataDog, New Relic, OneLake, PagerDuty, JUnit, Cucumber, Apache JMeter, Swagger
- **Cloud Services:** Amazon Web Services (AWS), Amazon EC2, Amazon ECS, AWS Lambda, Amazon S3, Amazon CloudWatch, Amazon IAM, AWS KMS, Amazon SQS, Amazon VPC
- **Certifications:** Certified Secure Software Engineer (Capital One), AWS Solutions Architect - Associate (In-Progress)