Zaid Yazadi

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Education

Pennsylvania State University, State College, PA   *June 2018 – May 2022*
B.S. in Computer Engineering

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 & Certification

- **Coding Languages:** Java, Python, JavaScript (Node.js, Express), SQL, C/C++, HTML, XML, Bash
- **Technology Experience**: Git, Docker, Jenkins, Spring Boot, Maven, 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)