

# Zaid Yazadi

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## Experience

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### Capital One

August 2022 – October 2023

Associate Software Engineer (Card Tech)

Chicago, IL

- Led initiative to merge separate AWS-hosted payment authorization gateways into one, slashing team resource costs and maintenance by ~50%
- Integrated OneLake data storage into gateways via Java, extending log storage beyond 30 days
- Resolved a critical race condition impacting partner connections within Python-based AWS Lambdas
- Deployed new partners to secure production gateways, seamlessly doubling transaction bandwidth and increasing workload performance by ~10%
- Collaborated on maintaining and testing microservices-based Payment Authorization gateways for external clients, leveraging cloud infrastructure, CI/CD, DevOps practices, and automation tools

### Capital One

June 2021 – August 2021

Software Engineering Intern (Cloud & Productivity)

McLean, VA (Remote)

- Created a full-stack 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
- Implemented secure coding practices to address OWASP vulnerabilities in cloud-based projects

### AirV Labs

June 2020 – August 2020

Software Engineering Intern

San Jose, CA

- Conducted manual unit testing and integration testing of Robotic Surgery Simulation Software, leading to a successful client demonstration
- Reduced development costs by recommending Nibiru HMD over Oculus Quest 2 after compatibility testing on Unity, enhancing software integration and cost efficiency
- Contributed in drafting a patent application for a VR telecommunication product

### IBM

June 2020 – November 2020

Federal Sector Early ID Program

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

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

## Education

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### Pennsylvania State University

June 2018 – May 2022

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

State College, PA

- GPA: 3.78 / 4.0