

Aditya Indoori

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EXPERIENCE

Amazon Web Services (AWS) | Seattle, WA

Software Development Engineer II (June 2020 - Present)

- **Led** the design, development and delivery of **Spring**-based containerized **multi-region authentication service** using **AWS Route53** with **ALBs** in **VPC** for **active-active resilient architecture**. The service is deployed on **AWS ECS-Fargate** for automated container **orchestration** resulting in **99.95% availability** for more than **36 Million** weekly AWS Root User logins
- **Headed** the **optimization** of **AWS SSO login** through implementation of a **React**-based SPA architecture with **Webpack** code-splitting, asset minification pipeline, **AWS S3**-hosted static content, and **AWS CloudFront** edge caching and optimized cache invalidation strategies. Executed **load testing** with **JMeter** to identify bottlenecks, resulting in a **10-second latency reduction** (**65%** improvement) for more than **5M** weekly SSO Logins.
- **Mentored** **3** junior software engineers on **cloud architecture** and **authentication-authorization standards**, reducing team **development** time by **15%** and **operational load** by **23%**.

Daon Trusted Identity Services | Alexandria, VA

Software Engineer Intern (Jun 2019 – Aug 2019)

- **Migrated** legacy **Spring** based **authentication service** to **Spring Boot**, improving service build-time **performance by 1.5 minutes** and **code-maintainability**.
- **Architected** **RESTful** microservices **test framework** with **TestNG**, **Mockito**, and **parameterized assertions**, elevating API reliability and regression coverage by **28%**.

George Mason University | Fairfax, VA

Android Developer (Aug 2018 – Dec 2018)

- Engineered **Android** applications using **Java**, **XML** and **Web Content Accessibility Guidelines**-compliant frameworks with **TalkBack** integration and **dynamic text scaling**. Implemented **automated accessibility testing**, achieving **98%** compliance for WCAG.

Projects

- **Authorized Access To AWS Consoles** (2024): Implemented policy based **authorized access** to AWS Consoles by treating them as an **AWS Resource**, providing customers the ability to **block public access** to consoles based on **data perimeters** like network ip address.
- **Unified Mobile SDK for Authentication** (2022): Created **cross-platform SDK** implementing **asymmetric-encryption**, **secure-storage**, and **in-app browser deep-links** for seamless **user authentication**
- **Raspberry Pi based Ignition Control System** (2018): A **Raspberry Pi** based vehicle **security system** that controls the ignition of the engine using **face recognition**, **fingerprint recognition** and **alcohol breath detection**

EDUCATION

- **Master of Science in Computer Science** | George Mason University (2018 – 2020)
- **Bachelor of Technology in Electronics & Communication Engineering** | Gokaraju Rangaraju Institute of Engineering and Technology (2014 – 2018)

SKILLS

- **Languages:** Java, JavaScript, TypeScript, Python, C, HTML, CSS
- **Frameworks & Libraries:** AWS SDK, Spring, React, JUnit, Selenium
- **Cloud & DevOps:** AWS Services (DynamoDB, VPC, KMS, CloudFront), Git
- **Security:** AuthN/AuthZ, SSRF, XSS, Open-Redirect, RCE, SQL Injection
- **Tools:** Jupyter Notebook, NumPy, Pandas, Android Studio, MATLAB

ACHIEVEMENTS

- Distinguished as delegate to participate in Harvard University's HPair 2024 Conference
- Featured in [eBay Security Hall of Fame](#) for security research.
- 2nd place in [Dell's Unbounded Hackathon](#) for innovative cloud solutions.
- Bug bounty awards in [HackerOne](#) for identifying security vulnerabilities like XSS, SSRF & CSRF
- 2nd place for "Patch - Smart Home Repairs" at Tech Starters hackathon, GMU 2018