Salman Mithani

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EXPERIENCE

Capital One | *McLean, VA* | *August 2019 - Present*
Mobile & Web Backend Team
Software Engineer | Senior Associate – March 2021 - Present

- Worked on orchestration and microservices layer for the Capital One flagship mobile apps and website
- Designed and implemented multiple REST microservices used by iOS app, Android app, and CapitalOne.com
- Built using Java, Kotlin, Spring Boot, Maven, and AWS
- Designed and developed Kotlin library for HTTP headers used across teams
- Implemented deduplication of data within API calls to improve efficiency and reduce load on downstream services
- Implemented automation for microservice creation to streamline process for orchestration teams
- Produced detailed documentation to establish best practices among orchestration teams

Streaming Data Platform Team
Software Engineer | Senior Associate – July 2020 – March 2021
| Associate – August 2019 – July 2020

- Worked on enterprise data streaming and movement platform
- Developed and deployed REST microservices in Scala
- Designed and implemented webhook notification mechanism for data flowing through pipeline
- Designed and implemented data transformation mechanism for data flowing through pipeline
- Designed and implemented service for ingesting and delivering data stored in complex file types
- Developed AWS Python Lambda, AWS Step Function, and CLI tool for data producers to seamlessly integrate with platform
- Maintained existing legacy platform built with Spring Boot and Kotlin
- Developed and maintained enterprise SDKs for legacy platform written in Scala, Java, and Python

JPMorgan Chase & Co. | *Plano, TX*
Software Engineering Intern – June 2018 - August 2018

- Collaborated with Chase.com UI development team
- Developed local dynamic testing environment for Chase.com UI and backend services
- Project will save the firm $500,000/year lost in productivity during UI development and testing
- Developed using Java, Maven, Swagger, Groovy, Spring Boot

Software Engineering Intern – June 2017 - August 2017

- Developed automated functional testing framework for internal middleware application
- Fully integrated testing framework into build pipeline
- Develop using Java, Selenium WebDriver, Cucumber

TAMUhack | *College Station, TX*
Director – July 2018 - July 2019

- Organized the largest annual hackathon at Texas A&M University
- Worked with organizer team to host 600 students and over 20 companies
- Worked with development team to build tamuhack.com

Texas A&M Univ. – Dept. of Mathematics | *College Station, TX*
Undergraduate Teaching Assistant – January 2017 - January 2018

- Courses: Calculus I & II (Engineering Math I & II) and Functions, Trigonometry, & Linear Systems

EDUCATION

Texas A&M University
Bachelor of Science in Computer Engineering
Dwight Look College of Engineering
May 2019 - GPA: 3.637/4.0

CERTIFICATIONS

AWS Certified Solutions Architect Associate
SAA-C02 | July 2021

SKILLS

Languages (experienced)
Java, Scala, Kotlin, Python
Languages (familiar)
Javascript, Groovy, C++, HTML, Swift
Tools / Frameworks
Spring Boot, Maven, Docker, Jenkins, Kafka, gRPC, Flask, Heroku, Bootstrap, Xcode, Git, ReactJS, Selenium Webdriver

PROJECTS

Losing Wait – Smart IoT Gym – Senior Design iOS Project

- iOS App built with Swift that communicates with IoT devices to show gym machine status on map and allow queueing
- Provides complete workout experience with workout library, gym map, and status of machines

Nicely – HackTX 2016 Project – Top 10 Finalist

- Web app that analyzes a user's tweets and obtains sentiment data
- Uses data to suggest future behavior on social media, the ideal time to post, and promote positivity online
- Built with Python, Flask, JavaScript, Twitter API, IBM Watson, HTML, CSS, Bootstrap

Foosball Table with Computer Vision Ball Tracking and LEDs

- Mini foosball table with mounted birds-eye camera and LED grid as base, LEDs light up beneath ball while playing
- Built with Raspberry Pi, Python, OpenCV

SenatorMatch – HackUTD 2017 Project

- Web app that allows users to vote on real bills presented in Congress and compare their votes to their senators
- Built with Python, Flask, ProPublica Congress API, HTML, CSS, Bootstrap

AWARDS & CONFERENCES

- Grace Hopper Conference – Celebration of Women in Computing – Texas A&M CSE Dept. Scholarship – 2018
- ACM Richard Tapia Conference – Celebration of Diversity in Computing – Texas A&M CSE Dept. Scholarship – 2018
- Texas A&M Univ. Engineering – Distinguished Student Award – Outstanding Academic Achievement – 2017-2018
- Dwight Look College of Engineering Scholarship Recipient – 2015-2018