Deval Parikh

703-980-6519 | devalpp@gmail.com

devalparikh.me | linkedin.com/in/devalparikh1 | github.com/devalparikh

EDUCATION

George Mason University — Fairfax, VA
Bachelors of Science in Computer Science, GPA: 3.86 — *August 2017 – December 2020*
- **Dean's List**: 2017 - 2020
- **Relevant Courses**: Algorithms, Data Structures (Java), Object Oriented (Java), Software Engineering, Internet Scale Applications, Operating Systems (C), Concurrency, Machine Learning (Python), Compilers (C), Networking

EXPERIENCE

Capital One — McLean, VA
Software Engineer 2 | Full Stack — *January 2022 - Present*
- Designed and developed the microservices and distributed systems for the OAuth2.0 APIs to enable external companies to authenticate and verify customer's identity using their Capital One credentials.
- Led the development of microservices built with Java Spring APIs to support the specific needs of external 3rd party companies looking to leverage Capital One authentication and authorization services.
- Developed system architecture design with a focus on resiliency and scalability to minimize production downtime by utilizing AWS Services (ECS, EC2, Application Load Balancer, ElastiCache, Route53) and internal Infrastructure as Code services.
- Developed the multi-environment canary (blue/green) deployment strategy using an automated CI/CD Jenkins Pipeline. Taking ownership of end-to-end features, vulnerability fixes, and infrastructure maintenance.

Capital One — McLean, VA
Software Engineer | Full Stack — *February 2021 - January 2022*
- Developed and architected features to provide an innovative and robust user experience to the customer-facing credit application platform, applynow.capitalone.com. Collaborated with Engineers, Product Owners, and Designers.
- Led the end-to-end development of the student credit card application user-interface, generating over 100 million impressions. Developed using JavaScript, Node.js Server-Side Rendering, React/Redux, with a focus on reusable, scalable components.
- Implemented various A/B tests to run usability experiments that helps understand customer preferences, generating over $117M of value in 1 year. Took ownership of deployed changes using a Jenkins CI/CD pipeline.
- Took ownership of the company-wide internal developer forum. Built and maintained infrastructure using AWS Services (EC2, RDS, S3, ALB, ElasticSearch, ElastiCache). Regularly performed region failover exercises, AMI rehydrations, and vulnerability fixes.

Capital One — McLean, VA
Software Engineering Intern | Full Stack — *June 2020 - August 2020*
- Developed and designed an end-to-end, multi-tier, full stack application that automates on-boarding clients to the multi-factor authorization security pipeline used by capitalone.com, improving the process duration by 1,500%. Conducted weekly product demos to clients and executives.
- Developed REST APIs to enable autonomous onboarding on a large scale using Python and AWS Services (Lambda, EC2, ALB, S3). Used Groovy to build an automated email system integrated with a Jenkins Pipelines.
- Created a modular front-end interface for onboarding request deployment, creation, and history with Angular and TypeScript. Integrated internal single sign-on capabilities.

LEADERSHIP AND AWARDS

PatriotHacks — George Mason University Hackathon
Co-lead of iOS Workshop/Mentor — *August 2018 - December 2020*
- Organized and lead a yearly introduction to Swift (iOS) workshop, impacting 100+ students.
- Mentored 250+ university students on various projects including, Java, Python, JavaScript frameworks, API implementation from sponsorship companies.

HoyaHacks - Weapon Detection Model — Georgetown University Hackathon
Developer | Python – Machine Learning — *February 2019*
- Built a software service to detect weapons in real-time camera footage using image classification with YOLO Convolution Neural Network architecture and created dashboards using AWS, Google Maps API, HTML, CSS, JavaScript.
- **Awards**: **1st Place** Best Software Hack - Microsoft, **2nd Place** Amazon Web Services Hack - Amazon, **3rd place** Overall Georgetown University Hackathon https://aws.amazon.com/blogs/publicsector/students-hack-for-social-impact-hoya-hacks

SKILLS

Languages: Java, Python, C, JavaScript, TypeScript, HTML, CSS, Swift, Bash, Groovy
Frameworks/Tools: Amazon Web Services, React, Redux, Angular, Node.js, Express, Django, SQL, NoSQL, Docker, Scikit-learn, TensorFlow, Jupyter Notebook, Vim, Git Version Control, Jenkins