Zaeda Meherin

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EDUCATION

UNIVERSITY OF VIRGINIA, Charlottesville, VA
Accelerated Master of Science in Commerce, concentration in Marketing and Management, *Expected June 2022*
Bachelor of Art in Computer Science, *May 2021*
- **Awards and Honors**: GPA: 3.76/4.0, Graduated with Distinction, Dean's list (6/8 semesters), Bronze Service Scholar 2018 (25 hours of service)

SKILLS

- **Languages and Frameworks**: Python, Golang, Java, C#, C++, Javascript, Django, React.js, PHP, SQL, Groovy
- **Technologies**: AWS (Lamba, EC2, Route53, S3, SQS, SNS), Git, Jenkins, Jira, HTML, CSS, Bootstrap, Figma

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN, June 2021 - Aug 2021
Capital One, McLean, VA

- Reimplemented Credit Card Delivery Tracker API, which serves **~26M customer requests monthly**, from Java to Golang
- Rearchitechured the project from EC2 instances to serverless Lambdas, **lowering cost by 82%** and increasing scalability
- Created Splunk and New Relic dashboards to efficiently monitor and quickly debug production systems
- Ensured resiliency by employing AWS Route53 to automatically redirect traffic in case of a regional outage
- Contributed to a release plan that included a dark release and Canary deployment to minimize downtime and failures

SOFTWARE ENGINEER INTERN, June 2020 - Aug 2020
Capital One, McLean, VA

- Built an AWS pipeline in Python that converts documents from image to text in bulk using lambdas, SQS's, and external APIs, which provides ~**$1M in cost avoidance** when used to enrich **6M documents** before April 2021
- Updates the documents to be easily searchable on GSU site, yielding a potential **$600k employee productivity gain**
- Logged each incoming request in a Postgres database to ensure resilience, allow visibility and continuous monitoring
- Automated deployments using Jenkins, a CI/CD tool, for fast and consistent releases

LEADERSHIP AND AFFILIATIONS

PRESIDENT AND CO-FOUNDER, Jan 2020 - May 2021
Bookfair At UVA - bookfairatuva.com, Charlottesville, VA

- Developed the core functionalities of buy-sell textbook platform for UVA students in Django with groupmates, which was a top-performing project and **the only project out of 48 to earn over 100%**
- Attained **$1,000 in funding**, recruited talent, and established CIO status to expand our platform across campus
- Led 3 major feature releases through roadmap and gained almost **100 engagements** in the first month after launching

PROJECT LEAD - CAVS IN THE CLASSROOM, Sept 2019 - Dec 2019
UVA CS for Social Good, Charlottesville, VA

- Communicated with CITC's Head Program Director to assess their needs from a volunteer-scheduler program
- Led the engineering team and programmed an algorithm in Java that automates scheduling by selecting the best assignments over **~1,000 permutations in seconds**
- Led the engineering team using agile methodology through sprints to maintain efficiency and flexibility on the project
- Reduced the time it takes to match volunteers by **1.5 hours** with a **75% matching rate**