

Rohith Pentaparth

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EMPLOYMENT

Capital One

Washington, D.C. Area

Data Engineering Associate - Enterprise Products & Platform Tech

Aug 2019 - Present

- Upgraded internal CI/CD framework built on Jenkins and Terraform, utilized core AWS tools
- Implementing Golang service for deploying applications onto Kubernetes clusters, currently in pilot stage
- Provided mentorship and assistance for 20+ teams migrating to internal framework from legacy pipelines

Qualtrics SAP

Seattle, WA

Software Engineering Intern - Data Platform

May 2019 - Aug 2019

- Designed Scala API to translate filter and group requests from business centric date ranges to literal date ranges
- Upgraded internal query language to efficiently translate custom date range requests into Elasticsearch queries
- Collaborated with Reporting Services front-end team to ensure full-stack usage within existing systems

J.P. Morgan Chase

New York City, NY

Software Engineering Intern - Commercial Bank

Jan 2018 - Dec 2018

- Built configurable monitoring dashboard that visualizes real-time job and batch loan transactions using Angular 5
- Designed relational DB to enable preferences and comments, utilizing Angular 5 for job and batch status updates
- Saved \$3M in development fees and eliminated \$150K in annual costs by allowing additional dataset onboarding

EDUCATION

University of Michigan, College of Literature, Sciences & the Arts

Ann Arbor, MI

B.S., Data Science (Computer Science track) | GPA: 3.62/4.00

Dec 2018

- Awards: PennApps XVIII (Top 30 Hacks, Best DocuSign App); HackIllinois Open Source 2019 (Top 10 Hacks)
- Coursework: Machine Learning, Computer Vision, Web Systems, Data Structures & Algorithms, Probability

PROJECTS

POKI - Serverless Reminder Bot for Github Pull Requests (Capital One Hackathon, Audience Choice award)

- Implemented serverless app to track Github Pull Requests and ping approvers/commenters in real time on Slack
- Utilized cloud technologies (AWS Gateway, Lambda, DynamoDB), external APIs, and internal company APIs

Forest-Fire Detection and Notification using Computer Vision (PennApps Hackathon, Top 30 award)

- Built OpenCV tool to classify forest fires from residential video footage and extract fire size and growth analytics
- Utilized Twilio API to alert nearby residents via mobile device, and MongoDB to allow residents to add footage

Lex Chatbot for Troubleshooting (JPMorgan Hackathon, 3rd place)

- Configured NLU chatbot using AWS Lex that responds and redirects user questions to specific teams
- Built prototype that automates manual redirecting done by support teams, saving around 74,880 hours annually

TECHNICAL SKILLS

Languages: C/C++, Python, React, JavaScript/TypeScript, Go, Scala, Groovy, PL/SQL, Java Spring

Technologies: AWS, Jenkins, Kubernetes, Angular, Elasticsearch, MongoDB, Scikit-learn

Certifications: AWS Solutions Architect - Associate Certification (Dec 2019 - Dec 2022)

Open Source Contributions: Julia Programming Language Packages - LightGraphs, FluxML

LEADERSHIP

UM:Autonomy - Autonomous Boat Driving

Sep 2018 - Dec 2018

Computer Vision Team Lead

- Managed eight engineers to rebuild computer vision app, enabling autonomous boats to react to objects in water

Residence Halls Association at Michigan

May 2015 - May 2016

Vice President of Internal Relations

- Led campus events programming committee (ProgServ) to organize 500+ person events across universities