

# Rohith Pentaparth

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## WORK EXPERIENCE

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- HBO Max** **May 2021 - present**  
**Software Engineer** - *Messaging Platform* Seattle, WA
- Capital One** **Aug 2019 - April 2021**  
**Software Engineer** - *Delivery Experience* McLean, VA
- Revamped software release experience by building a widely used developer tool for Kubernetes deployments
  - Trained 20+ teams during migration to internal pipeline using combined knowledge of AWS and CI/CD practices
  - Rapidly addressed customer requests by designing and developing robust systems
- Qualtrics** **May 2019 - Aug 2019**  
**Software Engineering Intern** - *Data Platform* Seattle, WA
- Developed a highly-requested custom periods feature that allows customers to define their own time period
  - Rebuilt Scala API and internal query language to translate date range requests into ElasticSearch queries
- J.P. Morgan Chase** **June 2018 - Aug 2018**  
**Software Engineering Intern** - *Commercial Bank* Jersey City, NJ
- Built configurable monitoring dashboard UI that visualizes real-time job and batch loan transactions
  - Designed Oracle DB to enable preferences and comments, utilizing Angular for job and batch status updates

## EDUCATION

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- University of Michigan** - Ann Arbor **Dec 2018**  
**Bachelor of Science** in Data Science (EECS) Ann Arbor, MI  
Minor in Biochemistry  
GPA: 3.62/4.00
- Awards: PennApps XVIII (Top 30 Hacks, Best DocuSign App), HackIllinois Open Source 2019 (Top 10 Hacks)
  - Coursework: Machine Learning, Computer Vision, Web & DB Systems, Data Structures & Algorithms, Probability

## TECHNICAL SKILLS

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- Languages:** C/C++, Java, Python, Golang, Node.js, Scala, PL/SQL, JavaScript, HTML/CSS
- Technologies:** AWS, Docker, Kubernetes, Linux, Oracle, DynamoDB, MongoDB, ElasticSearch, Jenkins
- Certifications:** AWS Solutions Architect - Associate Certification (Dec 2019 - Dec 2022)
- Open Source Contributions:** Julia Programming Language Packages - LightGraphs, Flux Machine Learning

## LEADERSHIP

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- AWS Instructor at Capital One** - Leadership & Development Committee April 2020 - June 2020
- Prepared 50+ engineers for AWS Solutions Architect exam using self-made demos, labs, and quizzes
- Computer Vision Team Lead at UM Autonomy** - Autonomous Boat Driving Sep 2018 - Dec 2018
- Led eight engineers to rebuild computer vision app, enabling autonomous boats to react to objects in water

## PROJECTS

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- POKI - Serverless Reminder Bot for Github Pull Requests**
- Implemented serverless app to track Github Pull Requests and ping approvers/commenters in real time on Slack
  - Harnessed 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
  - Integrated 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