

ROHAN MOHAPATRA

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EDUCATION

Master of Science, Computer Science

Aug 2022 - May 2024

San Jose State University, San Jose, CA, USA

- Relevant course work: Database Systems and Principles, Reinforcement Learning
- Teaching experience: Instructional Student Assistant - Programming Language Paradigms

Bachelor of Technology, Computer Science and Engineering

Aug 2016 - May 2020

PES University, Bengaluru, India

- GPA: 9.69 / 10
- Specialization: **Algorithms and Computing Models**

WORK EXPERIENCE

Software Development Engineer, GoTo, Bengaluru, India

Oct 2021 - Aug 2022

- Architected and engineered a platform on React, Typescript, and Electron housing all products of GoTo under one application; collaborated with engineers from 3 sites to increase the performance of the platform by 80%.
- Led a team of 3 engineers and implemented multiple Java Spring-boot APIs for conference creation and lifecycle management and developed JavaScript and NodeJS-based Miro add-on for GoTo Training to enhance customer retention by ~29%.
- Analyzed Splunk logs to diagnose issues in first response on-call team and created RCA and reports for P1, P2 and P3 incidents.
- Continuous participation in code review and vocal advocate of maintainability by following best coding practices.
- Awarded Bravo Award for delivering high-quality products.

Associate Software Development Engineer, GoTo, Bengaluru, India

Aug 2020 - Sep 2021

- Engineered Breakout Rooms, built with React, NodeJS and Java boosting customer satisfaction by ~40%.
- Redesigned the event generation and consumption mechanism on Spring 3.x services using Kafka for 5 times faster join to conferences.
- Promoted after a year to Software Engineer (Level-2), fastest across company.

Associate Software Development Intern, GoTo, Bengaluru, India

Jan 2020 - Jul 2020

- Architected and developed micro-service deployment framework for Java, Python and NodeJS based services on Kubernetes (EKS) that deploys services in less than 1 minute.
- Reached 99.99% uptime of micro-services by building multi-service monitoring framework using Jsonnet to create alerts and graphs.

Software Development Intern, Itron India Private Limited, Bengaluru, India

Jun 2019 - Aug 2019

- Implemented a time and memory efficient HDBSCAN in C++, released as a library for open-source.
- Developed a C++ framework with library to cluster usage statistics from real-time data received from electric meters.

SKILLS

Programming: Typescript (Proficient), Java (Proficient), Python (Proficient), C (Intermediate), C++ (Intermediate)

Full stack development: React, Bootstrap, CSS, NodeJS, Sprint Boot, FastAPI, Flask, Django, NestJS

Databases: DynamoDB, MongoDB, SQL (Postgre, SQLite)

CI/CD and Testing tools: Harness, Jenkins, Jest, Mocha, Mockito, Powermock, Easymock GitLab and GitHub

Cloud technologies: EC2, S3, ECS, EKS, IAM, Lambda, CloudFront, CloudFormation, Docker, Kubernetes, and Kafka

AI/ML tools: Keras, Tensorflow, PyTorch, MATLAB and Google Colab

ACADEMIC PROJECTS

Container Orchestration Engine, AWS, Docker, Flask, SQLite

May 2019

- Built 2 micro-services to handle REST APIs for online media-sharing and user authentication flows. The backend was hosted on EC2 instances, and a Flask based load-balancer for managing over 1000 requests in round robin fashion.
- Coded an orchestration engine for managing dynamic scaling of resources and replacement of unhealthy containers. The engine ensures 99.999% availability, fault tolerance, scalability, and a smooth experience for end user.

Harmony.in - Housing brokerage Application, Django, React, MongoDB, Flask

Dec 2019

- Developed a platform for an Owner to post properties to be rented out or sold, for a Buyer to buy a property of choice, and a potential tenant to look for a house on rent based on preferences.
- Designed platform for secure login, property authentication, and user authentication to make sure website is threat-free.