

Chaitanya Patel

+1(206)-581-1715 | cp2263@rit.edu | linkedin.com/in/cp343 | github.com/chaitanya343

Seeking full time opportunities for Software Engineer positions

Professional experience

- **Software Engineer**, Amazon Web Services Sept 2022 to Dec 2024
 - Developed significant enhancements to the AWS Lake Formation service, enabling fine-grained access control methods that elevate data governance and security for data catalogs.
 - Implemented Hybrid Access Mode in AWS Lake Formation, allowing users to utilize advanced fine-grained permissions for data access while ensuring compatibility with existing IAM policies and AWS Glue permissions. This enhancement significantly increased customer adoption by providing greater flexibility and control during onboarding, addressing previous obstacles.
 - Developed support in AWS CloudFormation for various Lake Formation permissions features, automating resource creation and management by provisioning infrastructure from code.
 - Launched the service in three new AWS regions and automated key region launch processes, optimizing operational efficiency thus reducing launch time from 12 weeks to 5 weeks.

Tech: Java, Spring Boot, REST, Python, Glue, DynamoDB, CloudFormation, S3, EC2, Lambda
- **Software Engineer (Co-op)**, Intuit Inc. May 2021 to Dec 2021
 - Collaborated with the team to design a proof of concept for a middleware service in the new API Management Platform, enabling the discovery and integration of Intuit APIs and streamlining onboarding for new APIs and contributed to the early backend development of the GraphQL APIs.

Tech: Python, Flask, REST, RedisDB, GraphQL, MongoDB, Docker, Kubernetes
- **Software Engineer (Co-op)**, Mindex Technologies Inc. Aug 2020 to Dec 2020
 - Responsible for full-stack user story development in a highly dedicated Agile environment.
 - Developed advanced filtering with new parameters for articles in the Paychex Help Center portal.

Tech: Java, Spring Boot, REST, Angular JS, MongoDB, Docker, HTML, CSS
- **Web Developer**, Rochester Institute of Technology Dec 2020 to May 2021
 - Implemented a homework submission application with additional features and a visual redesign.

Tech: Java, Spring, REST, HTML, Bootstrap 4, EasyUI, Thymeleaf
- **Software Engineer**, Capgemini India Pvt. Ltd. July 2016 to April 2019
 - Designed and developed high-latency REST APIs and batch jobs for calculating mileage and CO₂.
 - Created an efficient calculator engine that calculated the CO₂ emissions of new cars, 3 highly efficient REST web services to call the calculator, a web application and multiple batch jobs.

Tech: Java, Spring Boot, Spring Batch, REST, MySQL, Angular JS, Seed Stack, Hibernate

Education

- **Rochester Institute of Technology, New York**
Master of Science, Computer Science Aug 2019 - Sept 2022
- **University of Mumbai, India**
Bachelor of Engineering, Electronics and Telecommunications July 2012 - May 2016

Skills

- **Languages and Frameworks:** Python, Java, Spring, Spring Boot, Flask, REST, GraphQL, JavaScript, Go
- **Database:** MySQL, Amazon DynamoDB, MongoDB, RedisDB, Oracle DB, PostgreSQL, SQLite
- **Tools:** Docker, Kubernetes, Maven, Gradle, Git, MATLAB, R, Apache Kafka, Postman, Jenkins, Terraform
- **AWS Services:** DynamoDB, S3, EC2, Lambda, CloudFormation, Redshift, Athena, LakeFormation, Glue, CloudWatch, IAM, CodePipeline, CodeDeploy, RAM, KMS, VPC, ELB