

DEEP ADESHRA

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EDUCATION

Dalhousie University (Halifax, Canada)

Masters Of Applied Computer Science : CGPA - 4.19/4.3

January 2022 - Present

L.D College Of Engineering (Ahmedabad, India)

Bachelors Of Engineering - Information and Technology : CGPA - 8.3/10

August 2016 - July 2020

TECHNICAL SKILLS

Programming languages: Java, Python, JavaScript, Golang, C++, Shell Scripting, SQL

Frameworks: Django, NodeJs, ReactJs, AngularJs, Spring boot, Mockito, JUnit, Redux, Flask, FastAPI

Databases: MySQL, PostgreSQL, MongoDB, Elasticsearch, Firebase, DynamoDB

Cloud Services: EC2, Lambda, Load balancers, Beanstalk, S3, Cognito, SQS, ECS, VPC, EventBridge, CloudFormation

Miscellaneous other skills: Docker, Git, Mercurial, HTML, CSS, Redis, Celery, Linux, RabbitMQ

Concepts and practices: SOLID principles, Agile, Functional programming, CI/CD, Test Driven development

PROFESSIONAL EXPERIENCE

Full-stack Developer - **Ubico** (Montreal, Quebec, Canada)

April 2022 - Present

- Enhanced database schemas and optimized queries to bring down execution time from 2 second to 500 milliseconds from
- Crafted algorithm for sending scheduled emails across all 24 available timezones
- Refactored codebase and improved development lifecycle by utilizing best practices

Software Engineer - **Instahyre** (Delhi, India)

July 2020 - December 2021

- Developed inbound messaging infrastructure and algorithms to send and receive emails directly on the platform which scaled to to approximately 150K emails per day
- Designed and created end to end interview scheduling feature by combining Zoom, Google, Microsoft Calendars for recruiters which reduced manual interview scheduling time by 45%
- Architected Email scheduling feature which doubled the candidate reply rates
- Optimized caching strategies for APIs, bringing down network latency by 80% and database queries by 40%
- Updated the messaging queue infrastructure and added exponential back off retry policies to make it resilient
- Modified existing database schema for making queries and eventually reduced 15% application load
- Implemented A/B testing for real time browser push and WhatsApp notifications for a pool of 150k users
- Handled peer code reviews of 4 developers to maintain coding standards across the organization

Software Development Intern- **Codiot technologies** (Ahmedabad, India)

January 2020 - July 2020

- Worked on CI/CD pipelines, graph algorithms and created SPA using ReactJS and Django

ACADEMIC PROJECTS

Finspiration - ReactJs, Python Flask, AWS, Docker

- Personal portfolio and finance management application in which the user can monitor expenses and investments
- Implemented 7 different AWS services including AWS Lambda, API Gateway, ElasticBeanstalk, Eventbridge, VPC, SNS, SES, CloudFormation, DynamoDB and AWS Cognito

Bed and Breakfast - NodeJs, Python Flask, ReactJs, Serverless framework, GCP, AWS, Docker

- Multi-Cloud based serverless application with multiple services which proposes tour packages based on their interest, takes food orders and books hotels.
- Incorporated GCP VertexAI to suggest tour packages with an accuracy of 90%, GCP Pub/Sub to pass messages between services and AWS Lex chatbot for customer services.
- Hosted backend on 2 different Cloud providers including GCP and AWS, and incorporated services like API Gateways, SQS, SNS, Lambda Functions, DynamoDB, CloudRun, etc.