

# DEEP ADESHRA

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## EDUCATION

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**Dalhousie University** (Halifax, Canada)

Masters Of Applied Computer Science : CGPA - 4.26/4.30

January 2022 - May 2023

**L.D College Of Engineering** (Ahmedabad, India)

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

August 2016 - July 2020

## TECHNICAL SKILLS

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

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

**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, Android, MS Office

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

## PROFESSIONAL EXPERIENCE

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

April 2022 - Present

- Redesigned database schemas by doing normalization and optimized queries to bring down average execution time from 2 second to approximately 300 ms
- Created CI/CD pipeline using bitbucket pipeline for automatic deployment and reduced deployment time by 50%
- Took the lead of resigning the project and containerization of all microservices, resulting in a reduction of necessary servers and increased development speed
- Created a staging environment for testing, leading to a decrease in bugs and acceleration of development process.

**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
- Developed and implemented an end-to-end interview scheduling solution by integrating Zoom, Google, and Microsoft Calendars, resulting in a 45% increase in scheduled interviews for recruiters.
- 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

## ACADEMIC PROJECTS

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**Finspiration** - ReactJs, Python Flask, AWS, Docker

- Personal portfolio and finance management application in which the user can monitor expenses and investments
- Implemented multiple AWS services including AWS Lambda, API Gateway, Elastic Beanstalk, Eventbridge, VPC, SNS, SES, CloudFormation, DynamoDB and AWS Cognito, effectively improving infrastructure efficiency and automation

**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.
- Hosted backend on GCP and AWS, utilizing services such as API Gateways, SQS, SNS, Lambda Functions, DynamoDB, and CloudRun, effectively improving scalability and reliability of the system