

PREM BANKER

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EDUCATION

VIRGINIA TECH, College of Engineering, Washington DC

Masters in Computer Science

Aug 2023 - Present

GPA: 3.9/4

Relevant Coursework: Web Development, Cloud Computing, Information Visualization, Artificial Intelligence, Modelling and Evaluation, Machine Learning

PANDIT DEENDAYAL ENERGY UNIVERSITY, Gandhinagar, India

Bachelors in Computer Engineering

July 2017 - May 2021

GPA: 3.52/4

Relevant Coursework: Web Development, Software Engineering, Information Security, Computer Networks, Database Management, Data Structures and Algorithms, Distributed Systems, Optimization Techniques, Machine Learning, Natural Language Processing, Data Warehousing and Data Mining

EXPERIENCE

QUICKO, Ahmedabad, India

Full Stack Developer and Product Owner

May 2021 – June 2023

Tech Stack: Java Spring Boot, Node.js, Angular, Flutter, Vue.js, DynamoDb, Oracle SQL, AWS, GCP, Docker, Jenkins, Git

- Wrote 25+ RESTful APIs in **Java Spring Boot** for **Clique** including APIs for transactions, conversions and complex analytics APIs involving caching and pagination.
- Developed and owned the technical responsibilities of **MEET** which after launch recorded a **revenue increase of 80% to the previous year** while automating processes like Scheduling, Payments, Order Assignments and Order Lifecycle.
- Migrated legacy Assisted Order services to write **Serverless Java Lambdas** saving infra costs.
- Using caching and cron jobs of **AWS CloudFront and EventBridge**, Optimized the scheduling algorithm, eliminating upstream API bottlenecks and reducing API response time from **4s to 200ms**.
- Developed a Calendly-like booking system in **Java Spring Boot** using **Google Calendar APIs with OAuth authorization** for scheduling, confirming, and canceling events in tax experts' calendars.
- Developed the **Income Tax Filing Progressive Web App (PWA)** which got integrated in the apps of biggest brokerages in India onboarding **>500,000 users** in 2022 while providing tax filing and planning features.
- Developed the Coupon Dashboard using **Java Spring Boot**, an in-house coupon providing mechanism for Quicko, to distribute coupons to the customers. Integrated coupon workflow on the **MEET** Payment Screen.
- In-housed the Email Marketing process by using Listmonk, an open-source Email List Management tool, and wrote AWS Lambdas triggered on AWS SES events of email opening events to drive the analytics.
- Implemented AWS Lambda middleware for both **Java and Node.js**, reducing cold start time from 3-4s to <50ms.
- Established Company-wide **Querying and Pagination Patterns** for DynamoDB's NoSQL Database.

EVOSYS, Ahmedabad, India

Application Development Intern

January 2021 – April 2021

Tech Stack: Javascript, PL-SQL, MySQL, Oracle Cloud Infrastructure

- Developed Step-Function-like workflows using **Oracle Integrations Cloud**, establishing a data tunnel between Oracle Fusion Applications.
- Wrote **PL-SQL procedures** for data access and integrated them into the Step Functions.

ACHIEVEMENTS

Hackathons

- Our project **CarbonKarma** Won the Ripple Award for the best project using Ripple Chain at MorganHacks 2024.
- Won the LetsHack 1.0 Hackathon, developing a prototype for a **Smart Parking System using Deep Learning and Convolutional Neural Networks**. The project earned recognition from the State government and secured a funding grant of **INR 100,000**.
- Achieved 2nd Runners up position among **130 teams** in LetsHack 2.0 by developing a **House Price Aggregator and Prediction Model** for different Areas of Ahmedabad India.

SKILLS AND VOLUNTEERING EXPERIENCES

- **Languages:** Java, Typescript, Javascript, Dart, Python, C
- **Frameworks:** SpringBoot, Node.js, Angular, Flutter, React
- **Cloud and Other Softwares:** Git, AWS, Docker, GCP
- **Volunteering Experience:** Volunteer at National Service Scheme, India (2017-2018), Research Head of Society of Mathematics, PDEU (2018-20)