

Parth Chotaliya

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PROFESSIONAL EXPERIENCE

Arolytics
FullStack Software Developer

Toronto, ON
Oct 2023 - Oct 2024

- Optimized a large-scale **React** application using **styled-components** for modular CSS and **Redux and Context API** for state management, enhancing performance.
- Created and optimized APIs using **Python Flask**, incorporating **Redis** caching mechanisms for faster data retrieval, reducing response latency by **35%** and improving system reliability by **40%**.
- Deployed web applications to **AWS**, **integrating EC2, AWS Serverless, AWS Lamda and S3 along with CPU utilization alerts**, streamlining deployment and enhancing system performance.
- Enhanced system efficiency by 25% and reduced large dataset query times by 30% through **MongoDB schema design, aggregation framework optimization, and query tuning**.
- Collaborated with design and product teams to transform business ideas into functional applications, driving core epic development that meets product needs.
- Conducted peer code reviews on **GitHub** to uphold quality standards and ensure alignment with strategic goals, leveraging **GitHub Actions** to automate testing and deployment processes.
- Created dynamic visualizations for methane emissions using **React Query, Mapbox API, DeckGL, and React Charts**, boosting data accessibility and engagement.
- Implemented automated testing processes using **Jest and React Testing Library**, resulting in a 40% increase in test coverage and a 25% decrease in bug resolution time.

DigiMaze
FullStack Software Developer

Mumbai, IN
Aug 2022 - Jun 2023

- Engineered robust and scalable **RESTful APIs** using **NodeJS and ExpressJS**. Utilized **NPM Packages**, including **Mongoose** for database interaction retrieval within the application.
- Collaborated with team members to develop the user interface using **NextJS** and incorporated the React Redux library for efficient state management, enhancing user experience by **20%**.
- Leveraged **MySQL database** technology to optimize data storage and retrieval performance, improving overall application efficiency.
- Demonstrated proficiency in maintaining a robust **React** framework-based web application codebase, leveraging **TypeScript, HTML, CSS, and JavaScript expertise**.
- Configured and deployed web applications on **Digital Ocean**, incorporating **Firebase** for cloud functions, along with utilizing EC2 and S3 Bucket concepts.

Infosys Limited
Senior Systems Engineer

Pune, IN
Oct 2020 - Jul 2022

- Developed backend services and APIs with **Node.js, Express, and Socket.IO** to enable persistent connections, supporting efficient data processing, storage, and seamless frontend integration.
- Managed Java EE based web app codebase, utilizing **Core JAVA, JSP, Servlet, JDBC and Oracle and DB2 Database** for customized report generation.
- Configured the **Jenkins CI/CD pipeline** to automate the deployment of JAVA Builds, reducing deployment time by 50%.
- Collaborated on cross-functional migration of legacy data into Informatica MDM via **Informatica Data Quality ETL**, enhancing data accuracy by 75% for **CN Rails and BNSF Railways clients**.

Systems Engineer Intern

Jan 2020 - Mar 2020

- Completed in-depth training in Python, JavaScript, Core Java, Data Structures, RDBMS, and PL/SQL.
- Developed a Python web scraping automation script and trained in NodeJS, React, and Angular to design and build scalable web application REST APIs.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, C++, HTML, CSS
Frameworks: NodeJS, ReactJS, NextJS, ExtJS, Angular, Spring ,SpringBoot, Pandas
Databases: MySQL, PostgreSQL, Oracle, PL/SQL, MongoDB, Firebase
Concepts: Functional Programming, Agile methodology, SDLC, CI/CD pipeline ,Rest API
Tools: Jenkins, JIRA, Git, GitLab, Eclipse, Informatica MDM Hub, Informatica IDQ, AWS Cloud, Postman, Confluence, Docker

EDUCATION

Post Graduate in FullStack Software Development - *Lambton College, ON*

Sept 2022 - Apr 2024

Bachelors in Information and Technology - *Dharmsinh Desai University, IN*

Jul 2016 - May 2020

PROJECTS

FileShare & Profit Analysis

- Developed a full-stack application (ExpressJS, Angular, MySQL) for seamless file uploads and secure sharing, automating data extraction from Excel files to monitor campaign profits through a user-friendly dashboard.

AR App Development

- Engineered an Augmented Reality app using **Python, OpenGL, and OpenCV** for real-time facial landmark detection and Specs model overlay, earning recognition for technical innovation from the academic community.

AWARDS AND CERTIFICATIONS

- Master Data Management 10.3 Developer Informatica Certified Professional**, Certificate of Appreciation on CORP DB Project (Infosys Limited), Certificate of Appreciation on Customer MDM Project (Infosys Limited), Certificate of Excellence Rookie of the quarter Award (Infosys Limited)