

PALAK BATRA

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Education

Deenbandhu Chhotu Ram University of Science and Technology, August 2017 - July 2021
B.Tech(Electronics and Communication)
RS Public Senior Secondary, Class XII (CBSE) April 2014 - June 2016

Experience

Software Engineer-2 Fidelity International Jan 2024 – Present

- Developed a micro-frontend integrated with Fidelity's website to display fund investment projections and enable CSV downloads using the MERN stack, AWS Lambda, API Gateway, and Terraform.
- Created core features such as export functionality, pagination, and seamless multi-platform integration.
- Optimized an API for DynamoDB by implementing parallel request handling, reducing response time from 4 seconds to 1–2 seconds and enhancing user experience by 50%.

Software Engineer-1, Fidelity International Oct 2022 – Dec 2023

- Contributed to a MERN stack-based web app to digitize fund and account details access and delivery for Fidelity customers, streamlining document access.
- Owned and optimized critical features, including APIs for fetching categories and accounts, ensuring smooth UI display, and wrote comprehensive frontend unit tests to guarantee flawless functionality.

Graduate Programmer, Fidelity International Dec 2021 – Sept 2022

- Developed a Python Django web app to detect discrepancies in Fidelity fund factsheets by comparing data from Fidelity's and Morningstar's APIs, automatically flagging inconsistencies using Morningstar's data.
- Designed three intuitive screens presenting discrepancies in tabular, pie chart, and diagram formats, enhancing data visualization for business users and significantly reducing manual effort.

Projects

Expense-Manager | MongoDB, Express.JS, React.JS, Node.JS, HTML, CSS, API Integration

- Designed and developed a comprehensive Expense Manager using the MERN stack to facilitate efficient financial tracking and management.
- Developed a responsive UI in React and efficient backend APIs in Node.js for seamless user experience and integrated MongoDB for efficient storage and retrieval of transaction data.

Technologies

Languages: C++, JavaScript, TypeScript, HTML, CSS, SQL, XML
Frameworks: Express.JS, Jest, Unix, React, Next, Jest, Node, Express, GIT
Platforms: Amazon Web Services (AWS)

CERTIFICATIONS & ACHIEVEMENTS

- BrilliantatBasics Award:** Developed a reconciliation utility to automate trade matching, reducing manual effort significantly.
- AWS certified cloud practitioner
- Mentored students as a TA at Coding Ninjas, teaching Data Structures and Algorithms, and optimizing/debugging their code.
- Developed a multithreaded script to automate start/stop of 40 applications, reducing time from 1.5 hours to 5 minutes.
- Secured rank 1429 in TCS Codevita pre-qualifier round.