SIMARPAL SINGH

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WORK EXPERIENCE

Software Engineer
Testingxperts (July 2021 to Current)
(TestingXperts is an independent software testing and DevOps company providing modern software services to global clients)

- I served as the Co-technical lead for an innovation project, spearheading the design of an AI/ML solution. Our goal was to identify and conduct impact analysis on unit test cases and regression test cases based on incremental commits. I effectively communicated our findings to stakeholders, advocating for the integration of our solution into the pipeline. This strategic move significantly reduced overall regression test execution time, enhancing efficiency and productivity.

- Worked as a MERN full-stack developer on a CMS for a South Africa based client.
  - Converted Figma design to reusable react components.
  - Built an express app to handle APIs and NoSql MongoDB to store and manage content and user data.
  - Deployed application on AWS with pm2 for managing express server and NGINX to bind redirect requests.

- Built a modern survey and maturity assessment Web portal, Using the following tech stack:-
  - Frontend- Typescript, react, and redux.
  - Backend- Python, Django, and Postgres.

- Managed and trained GETs and interns of the 2022 session.

Intern Backend node.js Developer
PMIDC May 2021 to July 2021 (3 months)
(PMIDC is a State government Company with aim to uplift the living standard of the urban population in the State of Punjab)

- Worked on REST APIs for a Whatsapp Covid chatbot during the pandemic. (Our chatbot was featured in the national news channel)
- Assisted the project manager and worked alongside senior developers to prepare an implementation plan from a technical perspective.
- Cooperated with front-end developers and other team members to design more cohesive and functional code and tested software applications.

EDUCATION HISTORY

B.E. (Bachelors in Engineering)
Computer Science Engineering with Hons. in Big Data Analytics,
Chandigarh University (2017-2021)
Overall Score (7.01 CGPA)

- Actively participated in hackathons and extracurricular activities
- Cum Laude for the under-grad project (Crime Data Analysis)

PROFESSIONAL SUMMARY

Detail-oriented, organized and meticulous employee. Works at fast pace to meet tight deadlines. Enthusiastic team player ready to contribute to company success. Seasoned Full-Stack experienced developing applications, databases and cloud computing solutions. Smart professional with proven troubleshooting and debugging capabilities for resolving complex technical issues.

TECHNICAL SKILLS

React.js | Node.js | Redux

Typescript | Javascript | AI

Express | MongoDB | Docker

Python | Git | HTML | CSS | AWS

INTERPERSONAL SKILLS

Team Leadership | Management

Coordination | Decision Making

Adaptability | Problem-solving

LANGUAGE FLUENCY

English | Punjabi | Hindi

PROFESSIONAL ACHIEVEMENTS

Exemplary delivery Award

Young Achiever Award & Certificate

Academic Achievements Certification
- IBM Big Data Engineering Mastery Award
- IBM Big Data Engineering Explorer Award
- Machine learning and statistical inference By John Hopkins (Coursera)
- 6 months of industrial training in python