Tarun Agrawal

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Experience

Gemini Solutions | Software Engineer L2   **Apr 2022 – Present**

- Managing end-to-end responsibilities as a **full-stack developer**, including **frontend and backend development, deployment process, Git branch flow management**, and **setting up new Linux servers with PM2**. Additionally, **leading a team of 4-5 developers**, providing technical guidance, code reviews, and ensuring efficient project execution.
- Led the **migration of Node.js and MongoDB** across **5-6 legacy projects**, enhancing **performance, security**, and **scalability**. Replaced **deprecated modules** like `html-pdf` with `Puppeteer`, and implemented a **robust rollback strategy** for a **seamless transition**.
- Developed and maintained **scalable, efficient**, and **secure RESTful APIs** with strong understanding of **MVC frameworks** and **middleware integration**, implementing **JWT authentication and authorization** for **multiple roles**. Optimized applications for **performance**, **availability**, **low latency**, and designed **database schemas** with a strong understanding of **asynchronous programming**.
- Collaborated on the **D2C Microsite** to enhance **form functionality** with **Formik** and **Yup**, while implementing **efficient data tracking** using **cookies** to integrate **new features and enhancements**.
- Proficient **in debugging, root cause analysis, and issue resolution**, delivering **high-quality solutions**.
- Thrived in a **fast-paced, dynamic environment**, effectively **managing multiple priorities** and **meeting deadlines**.

CDK Global | Academia Programme Trainee   **Aug 2021 - Feb 2022**

- Experienced in writing **reusable**, **testable**, and **efficient code**, ensuring **high system performance and availability.**
- Developed **responsive and interactive user interfaces** using HTML, **CSS**, **React.js** and **TypeScript**.
- Learned how to develop a **contingency plan** to effectively address **potential obstacles** that may arise during the project.
- Collaborated with **cross-functional teams** to **gather** and **define project requirements**, designing **scalable** and **secure solutions** to enhance **user experience.**

Projects

PLIL Speedbiz Mobile Application
- The **Speedbiz Mobile Application** enables **insurance agents and employees** to **digitally issue** a wide range of **insurance policies**. It also allows **agents to track their policies, generate leads**, and **issue multiple policies simultaneously** to different users**.**
- TECH STACK: **Angular**, **Ionic**, **Node**, **MongoDB**, **SQL**.

PLIL D2C Microsite
- These **D2C portals** enable users to **purchase policies independently**, without the involvement of **agents**.
- TECH STACK: **React, Node, MongoDB.**

Sansam
- **Sansam** is a **programming language based on Sanskrit,** which I designed along with its **interpreter**.
- TECH STACK: **Python, Compiler Design**.

Skills

Languages: **JavaScript, TypeScript, Python, Java**
Frameworks: **NodeJS, Angular, ReactJS, ExpressJS, NestJS, Ionic, Serverless**
Database: **SQLite, PostgreSQL, MongoDB**
Technical: **Data Structures and Algorithms, Full Stack Development, Machine Learning & Neural Networks**
Tools: **Git, Postman API, Microsoft Azure, AWS**
General: **Problem Solving, Team Leadership, Contingency Planning, Debugging**

Education

GLA University, Mathura   **Aug 2019 - May 2023**

- Bachelor of Technology in **CS** with Specialization in **AIML**
- CPI **- 8.42**