Chinmay Kumar Patra

Full stack developer

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PROFESSIONAL SUMMERY

I have 5+ years of extensive experience in **Full-Stack development** and **DevOps**, specializing in JavaScript for software development. Throughout my career, I have honed my skills with new and cutting-edge technologies, including the **MERN Stack**, allowing me to build faster, optimized, and cost-effective applications while maintaining top-notch code quality. My expertise lies in designing robust application/product structures and optimizing their performance to achieve the utmost customer satisfaction.

WORK EXPERIENCE

Deloitte   **Bengaluru, India**
Consultant   **April 2020 – Present**

- Having experience in **React Development/Redux** for Frontend using new techniques including Functional reusable components, optimizing application to reduce lags and loading time. Extensively worked with **ElectronJS** to **Create Cross Platform Desktop Applications for Windows and MacOS**.
- Worked with **SQL**, **NoSQL** Databases (**POSTGRESQL, MONGODB, MYSQL, SQLITE**), worked with **Sequelize**, **Mongoose** ORM/ODMs for better backend Project Architecture.
- Developed multiple applications within stipulated time-frame by deploying **NODE.JS** technology to write a reusable program. **Socket** programming for client-server communications, **One-on-One chat, group chat, real-time push notifications** updates developed, coded, tested and debugged system software; reviewed code and design, worked with **molecularJS** for backend microservice architecture.
- Having experience in CI/CD Pipeline for designing workflow/deployment automation using **GitHub Actions/AWS Code pipeline** to integrate smooth deployment, including experience in **DEVOPS (AWS, Google-cloud)**. **Microservices** architecture and smooth deployment with **Docker** and **Kubernetes**.
- Created the online video conferencing platform using **zoom video SDK** and **stripe for handling** billing on real time basis.

KEY ENGAGEMENTS

- Worked with a US Based client as a Full stack Engineer I spearheaded **two successful project migrations** for the client project. These transitions involved moving from a **AWS-Lambda-based** architecture to a monolithic setup, and later to a **microservices architecture using Docker and Kubernetes.** Additionally, I played a key role in frontend development, leveraging **React.js** to create dynamic user interfaces. To handle complex state management, I implemented **Redux**, ensuring efficient data flow within the application. Furthermore, I single handedly established the project's end-to-end DevOps infrastructure, encompassing tasks ranging from managing EC2 instances to implementing **GitHub Actions**. Working in backend and leading multiple features in backend like S**tripe Billing, Roles Management** for the product etc.
- Worked for a Canada based client's Full stack desktop application created in **Electron.js**, where user will be able to login through different social mediums **(Google, MS Login, sign-up using OTP)** and the product will track social contacts of the user and can create company where user will be able to add any contact to that company and can create a social network, eligible to send mails to user, worked on **Actionable mails** where user can respond within the mail itself without opening new tab.
- Worked for a client project on the **User and Project Management Software (including offline support)** where the product will **track user's state of computer** even in offline state every 10 minutes, will **capture random screenshot** and collect other information **(Keystrokes, duration worked, screenshot, create thumbnail of screenshot, user status, mouse activity level, foreground application, running processes)** will store all the data in the local **SQLITE Database** and run a routine function to upload the data to server, will delete the data from local machine for each user once uploaded to server, integrated ping-pong mechanism to track user status every 5 seconds and will broadcast to all the users available working on the same project.
- Worked as a full-Stack Developer at NoPaperForms, **India's largest student enrollment automation platform**. Leveraging my expertise in **ReactJS, JavaScript, NextJS, and Tailwind CSS**, I crafted a seamless and user-friendly frontend interface. Additionally, I utilized **Node.js** as the backend technology to build robust and efficient server-side functionalities. Working on this product provided me with invaluable experience in both frontend and backend development, collaborating with a talented team to bring this cutting-edge SAAS product to fruition.

SKILLS

- Computer Languages: **JavaScript, TypeScript, Core Java**
- Frameworks & Runtimes Concepts: **HTML, CSS, Tailwind CSS, React.js, Redux, Next.js, Node.js, Express.js**
- Software & Tools: **Git, GitHub, MongoDB, PostgreSQL, Jenkins (CI/CD), Docker, Kubernetes**

EDUCATION

Bachelors of Technology   **August 2014 – August 2018**
Biju Patnaik University Of Technology (BPUT), Bhubaneswar   CGPA – 8.14