Alok Sahoo

Sr Software Engineer

Personal Details

Alok Sahoo

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Technical Skills

Frontend: React.js, Redux, JavaScript (ES6+), jQuery, Bootstrap, Material UI, Tailwind CSS

Backend: Node.js, Express.js, NestJS, TypeScript, PHP (Laravel), RESTful APIs, GraphQL, WebSockets

Databases: MySQL, PostgreSQL, MongoDB, Redis

Cloud & DevOps: AWS, Google Cloud, DigitalOcean, CI/CD Pipelines, Docker, Kubernetes, Microservices Architecture

Tools & Version Control: Git, SVN, Postman, Figma, JSON, XML

Development Methodologies: Agile, DevOps

OS: Windows, Linux(Ubuntu, Fedora, Cent OS), Mac

Languages

ENGLISH

HINDI

ODIA

Objective

Full-stack developer with **5 years of experience**, specializing in web applications, REST APIs, and cloud deployment. Seeking an opportunity to drive innovation, contribute to high-impact projects, and support organizational growth in a dynamic environment.

Education

Master of Computer Applications (MCA)   **2016 - 2019**
Silicon Institute of Technology, Bhubaneswar

Bachelor of Science (B.Sc.)   **2012 - 2015**
Ekamra Degree College, Bhubaneswar

Experience

Sr Software Engineer   **Apr 2024 - Present**
Coditro Technology LLP, Noida

- Developed **UPVRD**, a **high-performance gamified learning platform** for corporate training, using **React.js, Node.js, NestJS, PostgreSQL, and Redis** to enhance **speed, reliability, and user engagement**.
- Designed and implemented reusable **React components**, seamlessly integrated **REST APIs**, and collaborated on **CMS integration**.
- Defined **backend architecture**, designed the **database schema**, and built REST APIs with **Node.js, NestJS, PostgreSQL, and Redis**.
- Integrated **Swagger**, enhancing **API documentation** for better developer experience.
- Deployed & maintained applications in **cloud environments** (AWS, DigitalOcean, etc) while **mentoring developers**, promoting **best coding practices** for **scalability and modularity**, and resolving **Git** conflicts.

Technical Lead   **May 2019 - Feb 2024**
Silicon Techlab Pvt. Ltd., Bhubaneswar

- Led the development of **TOTAL Assessment**, an examination platform for educational institutions and corporates, using **React.js, Node.js, Express.js, MySQL, and Redis.**
- Built custom, reusable **UI components** with **React.js, Material UI, and Tailwind CSS** while developing **REST APIs** in **Node.js & Express.js**.
- Developed **Total Learning**, a learning and training platform, implementing features such as **adaptive learning, live classes, and a recommendation engine** using **React.js, Node.js, Express.js, Socket.io, PostgreSQL, and Redis**.
- Implemented **AI-powered** video & image analysis for **object detection & face matching** using **AWS Rekognition & AWS Node.js SDK**.
- Developed and deployed **eMulyankan**, an examination management system for **OSEPA**, in the **Govt. Data Centre**.
- Developed key modules for **APS Digicamp (ERP for Army Public Schools)**, including **Fee, Library, and Reports**.
- Integrated multiple **payment gateways**, including **SBI, HDFC, Paytm, and Wireless POS**, into the ERP using **Node.js & Express.js**.
- **Collaborated** with **Paytm's technical team** to develop **REST APIs**, enabling **seamless fee payments** for Army Public Schools within the **Paytm app**.
- Provided **technical leadership**, improved **code quality**, and made **strategic decisions** on **technology stacks, tools, and architecture.**

Achievements

- Received **"The Chairman Reward"** for best performance at Silicon Techlab Pvt. Ltd.