Virendra Saini

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Education

National Institute of Technology Hamipur (NITH)   May 2023
Bachelor of Engineering in Electronics & Communication (GPA: 7.9 / 10.00)   *Hamirpur, Himachal Pradesh*

Professional Experience

Jio Platforms Limited   **Mumbai, Maharashtra**
Software Development Engineer - II   **October 2023 – Present**

- Designed and implemented **Smart-Dial**, a data migration tool to transfer data from source systems (via **passwordless SSH**) to **ADLS** and then to **Databricks**, featuring scheduling, group/manual triggers, and real-time logging.
- Developed **ATM (Azure Team Manager)**, a restricted-access tool for managing Azure Boards, repos, and access control using **Azure APIs**, **AZ CLI**, and **Azure DevOps CLI**, enabling secure workflows with added authorization layers.
- Built a real-time **Databricks Job Monitoring** app to track job status, logs, and errors, with full job lifecycle control (create, run, stop, kill, edit), using **DBR CLI** and a user-friendly UI for 100+ ops users.
- Spearheaded development of scalable **React.js** apps with reusable components, reducing dev time by 30% and improving code reuse by 60%.
- Architected scalable backend solutions using **Node.js**, **Express**, and **MongoDB**, handling 50,000+ daily requests.
- Engineered a high-performance Campaign Manager using multi-threading and **SAP HANA**, boosting data processing by 90% (1 lakh records/sec).
- Enhanced app performance by 73% using **React.memo**, **useMemo**, and **Redux**, cutting unnecessary re-renders by 40%.
- Deployed apps on **Linux servers** via automated **CI/CD pipelines** for streamlined releases.
- Revamped UI responsiveness with a custom grouping/sorting algorithm, improving load times by 50% and UX for 10,000+ daily users by 66%.

Shalibhadra Fashion   **Remote**
Full-Stack Developer   **September 2023 – October 2023**

- Designed and deployed a user-friendly **e-commerce platform** with **React** and **styled-components**, achieving a 95% customer satisfaction score.
- Built a robust backend using **Express.js**, **Node.js**, and **MongoDB**, ensuring 99.9% uptime and seamless data flow.
- Orchestrated deployments on **Hostinger VPS** with **Nginx** and **PM2**, improving server response time by 60% and minimizing downtime during peak traffic by 40%.
- Enhanced platform scalability, enabling it to support 5,000 concurrent users without degradation.
- Streamlined server administration and deployment processes, reducing manual effort by 50% through automated workflows.

Projects

NITH Karate Academy Website   GitHub Repository

- Developed a responsive full-stack web application using **HTML**, **CSS**, **JavaScript**, **SCSS**, **Handlebars.js**, **Express**, and **MongoDB**.
- Boosted website traffic by 20% and user engagement by 30% within three months of deployment.
- Optimized RESTful APIs to improve CRUD operation efficiency, reducing data processing time by 40%.

Booking.com Clone   Frontend Repo — Backend Repo

- Engineered an interactive **Booking.com web app clone** using **React** and **styled-components**, increasing code reusability by 60% through **React hooks** and custom hooks.
- Architected a high-performance backend with **Express** and **Node.js**, achieving a 50% improvement in API response time using indexing and caching strategies.
- Implemented secure authentication and authorization mechanisms, improving application security and compliance.

Technical Skills

- **Frontend Development**: React.js (3+ years), JavaScript (ES6+), styled-components, HTML5, CSS3/SCSS
- **Backend Development**: Node.js (3+ years), Express.js, RESTful APIs
- **Database Management**: MongoDB (50+ schema designs), SAP HANA (processing 1 lakh records/second), Database Optimization
- **Real-Time Features**: WebSocket (log streaming and notifications), Redux (state management optimization, 73% performance boost)
- **Version Control**: Git (version control for 50+ projects)
- **Problem Solving**: Data Structures & Algorithms (optimized solutions reducing computational overhead by 30%)