Varun Chaubey

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WORK EXPERIENCE

NAGARRO | Senior Software Engineer — Gurgaon, India | Mar 2023 - Present

- Led the decomposition of a **monolithic application** into domain-aligned **microservices**, adopting **event-driven patterns** and **API-first design**, reducing deployment time by **40%** through **CI/CD pipelines** (**GitHub Actions**, **AWS**).
- Refactored and optimized complex **PostgreSQL queries and stored procedures**, cutting report generation time from **6 seconds to 2 seconds** and improving dashboard responsiveness.
- Designed and deployed stateless **microservices** (**Java, Spring Boot, PostgreSQL, AWS S3**) with **multi-region resilience**, maintaining **99.99% uptime** across distributed environments.
- Built an **automated background service** (**Spring Boot**) for recurring data loads and operational tasks, saving over **50%** of manual effort and improving SLA adherence.
- Mentored junior developers, established structured **code review guidelines**, and streamlined technical onboarding, improving sprint delivery velocity by **15%**.
- Introduced a **Micro-Frontend Architecture** leveraging **Webpack Module Federation** and **Single-SPA**, enabling independent deployments and reducing cross-module dependency risks.
- Enhanced frontend performance by implementing **lazy loading** and optimizing **API interactions**, leading to faster page visibility and improved user experience.
- Managed **production incidents**, organized on-call rotations, and performed root cause analyses, improving mean time to recovery (**MTTR**) by **50%**.

NAGARRO | Software Engineer — Gurgaon, India | Mar 2021 - Present

- Developed and optimized **RESTful APIs** with **Spring Boot**, integrating authentication, error handling, and data validation layers to ensure robust and secure service interactions.
- Built and documented reusable **React** components for **virtual tables** and **interactive dashboards**, integrated **Storybook** for component development and visual testing, and set up **Jest**-based unit testing pipelines.
- Integrated backend services with **AWS S3** and internal data pipelines for secure file storage and retrieval, implementing **presigned URL generation** to enable controlled access and protect sensitive data across distributed cloud environments.
- Improved frontend performance by implementing **lazy loading** and optimizing data rendering in **tables** and **dashboards**, reducing initial page load times by up to **30%** for large datasets.

TECHNOLOGIES

- **Backend**: Java, Spring Boot, Hibernate, PostgreSQL, SQL
- **Frontend**: React.js, Redux, Storybook, Jest
- **Architecture**: Microservices, Micro-Frontend, Monolith to Microservices Migration
- **Cloud and DevOps**: AWS S3, GitHub Actions, Presigned URLs
- **Performance Optimization**: Lazy Loading, API Response Optimization, Large Dataset Handling

EDUCATION

Dr. A.P.J. Abdul Kalam Technical University — Lucknow, India | Aug 2021

B.tech

PROJECTS

CART FEATURE | JAVA, Spring Boot, Microservices, React, Redux |

- Developed a multi-user cart system for a B2B project application, implementing end-to-end functionality across both frontend and backend.
- Built a **highly concurrent cart system** allowing **multiple users** to access **different types of carts** simultaneously without conflicts.
- Implemented a **cart lock feature** to prevent **ambiguous order placements**, ensuring that once a user reaches the **payment stage**, other users cannot access or modify the cart. Also added an **unlock functionality** for **admins** to release the cart lock if needed.
- Designed and developed **three different types of carts** to handle **various order types**, ensuring smooth and seamless **order management**.
- Worked extensively with **Java, Spring Boot**, and **microservice architecture** for the **backend**, ensuring **scalability** and **modularity**.
- Utilized **React** and **Redux** for **state management** on the **frontend**, ensuring a **responsive** and **user-friendly interface**.