Atul Kumar Singh

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Professional Summary

Results-driven Full Stack Developer with 1.2+ years of experience in architecting and implementing scalable web applications. Expertise in MERN and MEAN stacks, cloud services (AWS, Firebase), and Agile methodologies. Proven track record of optimizing application performance and enhancing user experiences.

Technical Skills

- **Frontend:** JavaScript (ES6+), TypeScript, React, Angular, Next.js, HTML5, CSS3, Sass
- **Backend:** Node.js, Express.js, Nest.js, Python, Java, RESTful APIs, GraphQL
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis
- **DevOps & Cloud:** AWS (EC2, S3, Lambda), Docker, Kubernetes, CI/CD pipelines
- **Tools & Practices:** Git, Jira, Confluence, Agile/Scrum, TDD, Microservices architecture

Professional Experience

Full Stack Developer, Shreeva Soft-Tech Innovations — Oct 2023 - Sep 2024

- Engineered a high-performance, integrated ecosystem using MEAN stack, boosting overall productivity by 120%
- Implemented serverless architecture with AWS Lambda, reducing operational costs by 35%
- Developed cross-platform mobile applications using Ionic and Capacitor, expanding user base by 50%
- Optimized database queries and implemented caching strategies, improving application response time by 40%
- Led Agile development processes, increasing team velocity and reducing time-to-market by 30%

Database Engineer Intern, UP Housing & Development Board — Aug 2023 - Sep 2023

- Designed and optimized database schemas, improving query performance by 35%
- Implemented data encryption and access control measures, enhancing data security by 25%
- Developed stored procedures and triggers for complex data operations, reducing processing time by 20%

UI/UX Developer Intern, Pixel Business — Mar 2022 - May 2022

- Created responsive, mobile-first interfaces using React and Tailwind CSS, reducing page load time by 40%
- Implemented user feedback system, driving UX improvements that increased user satisfaction by 25%
- Collaborated with UX researchers to conduct A/B testing, resulting in a 15% increase in user engagement

Key Projects

JobNexus - Full Stack Job Aggregator Application

- Architected and developed a Next.js-based job search platform with server-side rendering for optimal performance
- Integrated multiple job board APIs and implemented efficient data caching, reducing manual search time by 70%
- Utilized Google Cloud Functions for automated job listing updates and email notifications

JSC Customer App - Cross-platform Booking Application

- Led the development of a full-stack booking app using Angular, Ionic, and AWS services
- Implemented real-time location tracking with Google Maps API, improving service accuracy by 95%
- Designed a scalable backend with microservices architecture, supporting a 40% increase in concurrent users

Education

Bachelor of Technology in Civil Engineering — Jun 2020 - Jun 2024
Dr. APJ Abdul Kalam Technical University

- Relevant coursework: Data Structures, Algorithms, Database Management Systems, Web Technologies
- Final year project: IoT-based Smart City Infrastructure Monitoring System

Certifications

- The Full Stack (Meta)
- Google Cloud Fundamentals
- Computer Networking by Google