

ALOK PATEL

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Experience

Ericsson India Private Ltd. 📍 Noida, India

📅 Nov. 2022 - July 2023

● Associate Software Engineer

Java 8, Spring Boot, Microservices, RESTful API, Oracle DB

- Architected a highly resilient API using Spring Boot, streamlining communication between **10+** diverse software components; which reduced response time by **40%** and improved system uptime by **99.9%**.
- Elevated user experience for over **200 Million+** AT&T users through the implementation of robust JUnit tests, leading to a **20%** reduction in manual testing costs. Delivered 10 user stories & 1 full feature.
- Boosted code quality from **77%** to **87%** using SonarQube analysis.
- Leveraged Skills in Rest APIs, Mockito, JUnit, Jenkins, Jira, Git, Maven, Kafka, Sonar, Fortify.

📅 May. 2022 - Oct. 2022

● Software Engineer Intern

Java 8, J2EE, Spring Framework, Spring MVC, Struts, Oracle DB

- Engineered and optimized prepaid & postpaid calling, and mobile data plans, impacting over **250 million** users and contributing to a **15%** increase in system efficiency and user satisfaction.
- Collaborated with a **10-member** team on designing, developing & integrating the charging module for customer care.
- Crafted and maintained detailed software documentation to ensure effective communication and knowledge sharing.
- Leveraged Skills in Hibernate / JPA, JDBC, Servlets, JSP, Mockito, JUnit, Jenkins, Jira, Agile / Scrum, Git, Gradle, JBoss.

Skills

Languages: Core Java, Python, C/C++, SQL, JavaScript. **Database Management:** RDBMS (MySQL, Oracle DB), MongoDB.
Web Development: **Backend:** Spring Boot, Django, DRF **Frontend:** UI(React.js), HTML5, CSS3, Bootstrap, Responsive design.
Technologies & Tools: Git, GitHub, Docker, Cloud(AWS), CI/CD(Jenkins), Jira, Postman, UNIX, VS Code, Eclipse.
Courses: Operating System, Computer Network, Data Structure and Algorithms, DBMS, OOPs, SDLC.
Certifications: Python 🔗, Machine Learning 🔗, Linux 🔗, Advance CPP 🔗, Cloud Computing 🔗.

Education

Madan Mohan Malaviya University Of Technology, Gorakhpur | B.Tech.(Hons) | C.S.E.

📅 Aug. 2022

JGPSVMIC, Sitapur | Intermediate | **90.4%** | UP Board

📅 Jun. 2017

JGPSVMIC, Sitapur | High School | **87.5%** | UP Board

📅 May. 2015

Personal Projects

Event Aayojan System 🔗 Code | Live 🔗

📅 July 2021 - May 2022

Web app for University to inform incoming events

Java, Spring Boot, React.js, MongoDB, JWT Auth.

- Led a team of 3 to design and implement RESTful APIs for managing backend logic and data, along with dynamic and responsive front-end components. This system served a user base exceeding 20,000.
- Integrated authentication & authorization mechanisms using Spring Security and JWT for secure user access and data protection.
- Engineered features, including event creation, browsing, registration, and notifications, resulting in a substantial **30% increase** in user engagement and heightened overall user satisfaction.
- Deployed the application to cloud platforms such as AWS, and Heroku, ensuring scalability and optimal performance.

Alokknights.com 🔗 Code | Live 🔗

📅 Nov 2021 - Mar 2024

Web App for Freelancers, with portfolio & Blogs

Python, Django, DRF, Docker, CI/CD, Jenkins, Sonar, MongoDB, Git, AWS

- Developed a dynamic freelancers platform where clients post projects and freelancers place bids, enhancing project visibility and engagement. Included skill training application for Learner & Teachers.
- Individually introduced personalized portfolios and optimized features, resulting in a seamless experience for 30,000+ users.
- Implemented secure third-party authentication, including Google Auth, for over 21,000 registered users.

Car Price Prediction 🔗 Code | Live 🔗

📅 Mar 2021 - June. 2021

Web App for getting Price of old car using Machine learning

Python, Numpy, Pandas, sklearn, Django, DRF, Git

- Build a Machine learning model for webapp; which predict price of old car.

YouTube search APIs 🔗 Code | Live 🔗

📅 Mar 2021 - June. 2021

Web App for fetching the latest YouTube videos on query

Python, MySQL, MongoDB, Django Rest Framework, Git

- Constructed a multi-database system for seamless storage of user data in SQL and YouTube content in NoSQL.
- Built APIs to show stored YouTube data of cloud database in reverse chronological order or in increasing order of IDs.

Achievements & Extra-Curricular

- Secured **1st Rank** in Hackathon (Internal) Conducted at MMMUT, GKP for developing the software **Swastik** to manage the Vaccination of Hostel Students in the Colleges of India. | Achieved **5-Star** Badge in Problem-Solving on HackerRank.
- Secured **5th** rank in **BlueLearn** Hackathon among **2500+** participants. | Attended a seminar on **AI** in the campus.
- Attended Online workshop on Coding blocks on **Data Science & Face Recognition**. | Participated in **Robotics events**.
- Gate 2024 qualified**. Solved **500+ problems** on various coding platforms like **Leetcode, GeeksForGeeks, HackerRank** etc.

Leadership and Volunteering

● Member of Computer Engineering Society, MMMUT 📅 (2018-21)

● Volunteer at National Service Scheme 📅 (2018-21)