ALOK PATEL

✉ alokpatel885@gmail.com | 📱 +91 6386866361
🌐 www.alokknight.com | ⭘ www.github.com/alokknight | in www.linkedin.com/in/alokknight

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, 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, 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
JKGPSVMIC, Sitapur | Intermediate | **90.4%** | UP Board		🗓 Jun. 2017
JKGPSVMIC, 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.

Portfolio & Blogging Website ⭘ Code \| Live 🔗 | 🗓 Nov 2021 - Dec. 2021

Web App for building portfolio & Blogs — *Java, React.js, Spring Boot, MySQL, Git, AWS*

- 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.

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+** participents. \| 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 🗓 (2018-2021)   **Volunteer at National Service Scheme** 🗓 (2018-2021)