ALOK KUMAR
Software Developer

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Summary

Full Stack Software Developer with expertise in MERN stack (MongoDB, Express.js, React.js, Node.js). Experienced in designing secure, scalable, and high performance web applications. Proficient in RESTful API development, database design, cloud deployment, and Agile/Scrum methodologies. Strong problem solving, debugging, and code optimization skills with a focus on delivering business value.

Skills

- **Programming Languages:** Python, Java, JavaScript, TypeScript, SQL, HTML5, CSS3
- **Frameworks/Libraries:** React.js, Angular, Node.js, Express.js, Bootstrap
- **Databases:** MongoDB, MySQL
- **Tools & Platforms:** Git, GitHub, Figma, Excel, REST APIs, Postman, Docker, CI/CD (basic)
- **Methodologies:** Agile, Scrum, SDLC, Test Driven Development (TDD)
- **Core Strengths:** Problem Solving, Code Optimization, Collaboration, Communication

Experience Internships

Full Stack Developer Intern   Aug 2025 – Oct 2025
Infosys Springboard 6.0 (Remote)   *Tools: React.js, Node.js, Express.js, MongoDB, Socket.io, GitHub, figma*

- Developing a **Hire-A-Helper web platform** that connects users needing on-demand assistance with verified helpers, featuring task posting, application tracking, and real-time notifications.
- Built secure authentication using JWT and **OTP-based email verification** with Nodemailer, ensuring reliable user onboarding and data privacy.
- Implemented RESTful APIs in Node.js and Express.js for task management, user roles, and request workflows integrated with MongoDB Atlas.
- **Project Links:** GitHub Repository :- https://github.com/Alokkumarkaran/Hire$_aH$elper$_i$nfosys
  Live Project Link :-https://hire-a-helper-infosys.vercel.app

SQL Developer Intern   June 2025 – July 2025
Elevate Labs (Remote)   *Tools: SQL, MySQL, Excel*

- Designed and applied an **Airline Reservation System database** with optimized schema and relational integrity.
- Created SQL queries, triggers, and stored procedures reducing query execution time by 20%.
- Developed Excel dashboards visualizing occupancy, bookings, and cancellations to support decision making.

Projects

Skill Swap Platform | *React.js, Node.js, MongoDB, Express.js*   2025

- Built a full-stack e-learning platform supporting **secure registration with OTP verification (NodeMailer)**.
- Implemented **role-based access**: learners, educators, and admin with full system control.
- Integrated **payment gateway** for enrollment and encrypted authentication for security.
- Developed a **profile-matching system** to connect learners with suitable educators.
- Source Code: GitHub Repository - https://github.com/Alokkumarkaran/skill-swap

Certifications

- **Front End Web Developer Certification** (Infosys Springboard, Mar 2025)
- **Python 3 Programming** (Coursera, 2023)
- **ReactJS, Angular, JavaScript, TypeScript, HTML5, CSS3** (Infosys Springboard, 2024)

Education

Master of Computer Applications (M.C.A)   Graduated: 2025
Chandigarh University, Mohali

Bachelor of Computer Applications (B.C.A)   Graduated: Dec 2022
Patliputra University, Patna