

AakarshitRaj

SystemEngineer|MERNStackDeveloper|FullStackDeveloper

Mob-+918981710034Email-aakarshitraj07@gmail.comLinkedin-<https://www.linkedin.com/in/aakarshit-raj-0022a6237/>

PROFILESUMMARY

Full Stack Developer specializing in the MERN stack, demonstrating a strong understanding of JS fundamentals and hands-on experience with JavaScript (ES6+), TypeScript, React, HTML, and CSS. Possesses a strong grasp of computer science fundamentals, including data structures, algorithms, and software design principles. Experienced in developing responsive front-ends with front-end performance optimization techniques, designing secure REST APIs, and building scalable back-end services. Proficient in Docker, CI/CD pipelines, and AWS cloud deployments. Committed to writing clean, maintainable, and efficient code and collaborating effectively in cross-functional Agile teams with a proactive mindset and eagerness to learn new technologies and tackle real-world engineering challenges.

WORKEXPERIENCE

TataConsultancyServices(TCS)|SystemEngineer June2024-Present

FullStackDeveloper-MERNStack

- Design and build enterprise web applications using ES6+ JavaScript, TypeScript, React.js, Node.js, Express.js, and MongoDB, adhering to robust software design principles.
- Develop responsive, performant front-end modules with React.js/Redux and integrate them efficiently with REST APIs, applying front-end performance optimization techniques.
- Create secure, scalable APIs with Node.js/Express, implementing JWT authentication and role-based access to maintain clean, maintainable, and efficient code.
- Manage the API lifecycle with Amazon API Gateway and leverage MongoDB Atlas Enterprise for high availability, demonstrating strong backend technology skills.
- Deploy applications across development, staging, and production environments using CI/CD pipelines, ensuring fast development velocity.
- Conduct thorough unit and integration testing and debugging for APIs and front-end components with Postman, Chrome DevTools, and React Developer Tools.
- Actively collaborate in cross-functional Agile teams, participating in sprint planning, reviews, and pair programming, demonstrating clear communication skills.

AutomationWork

- Automated recurring reporting tasks using Excel VBA Macros, reducing manual effort and turnaround time.

TECHNICALSKILLS

Languages: JavaScript (ES6+), TypeScript, C/C++, Java, SQL, HTML5, CSS3

Frontend: React.js, Redux, TailwindCSS, Responsive UI Design, Front-end Performance Optimization Techniques

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, Microservices Architecture, Event-driven Programming (Async/Await, Promises)

Databases: MongoDB Atlas, MySQL, SQL, Redis (Caching)

Cloud&DevOps:: AWS (APIGateway, EC2, S3, Lambda), Docker, Kubernetes (basic), GitHub Actions, GitLab CI/CD, Multi-cloud exposure (Azure, GCP concepts)

Testing&Debugging:: Jest (Unit Testing), Mocha (TDD, Integration Testing), Postman, Chrome DevTools, React Developer Tools, Logging & Monitoring

VersionControl&Practices:: Git, GitHub, GitLab, Agile/Scrum, CI/CD, Clean Code, Component-Based Architecture, Data Structures, Algorithms, Software Design Principles

EDUCATION

KalingaInstituteofIndustrialTechnology Bhubaneswar,Odisha

BachelorofTechnologyinComputerScienceEngineering(CSE)CGPA-8.59 2020-2024

PROJECTS

1.RentAVehiclePlatform(MERNStack)

■Developed a full-stack vehicle rental system leveraging React.js (ES6+ JavaScript) for the frontend and Node.js/Express for the backend, applying robust software design principles.

■Integrated MongoDB Atlas for data persistence and implemented JWT authentication for secure bookings, demonstrating strong backend technology experience.

2.E-CommerceStoreApp(React.js,Redux,Axios,Docker,MongoDB)

■Built a responsive online store using React.js/Redux and dynamic API integration via Axios, emphasizing clean, maintainable, and efficient code.

■Containerized the application using Docker, running MongoDB in a containerized environment for seamless local development and deployment, simulating a SaaS product environment.

■Ensured cross-browser compatibility and optimized front-end performance, enhancing user experience and development velocity.

ACHIEVEMENTSANDCERTIFICATIONS

■Demonstrated strong competitive programming experience by solving over 300+ problems in Data Structures and Algorithms (DSA) across platforms like LeetCode and GFG, reinforcing a strong CS foundation.

■Awarded Appreciation Certificate as Group Representative (GR) during Initial Learning Program by TCS, 2024, showcasing communication and collaborative skills.

■Recognized with Xcelerate Warrior Recognition by Tata Consultancy Services, 2025.

- Received On the Spot (Team) Award by Tata Consultancy Services, 2025, highlighting effective teamwork in cross-functional settings.
- Awarded Best Team Award by Tata Consultancy Services, 2025.
- Certified in "Building RESTful APIs with Node.js and Express" by LinkedIn.
- Certified in MongoDB by Udemy, showcasing expertise in backend technologies.
- Achieved React (Basic) Certificate by HackerRank.
- AWS Academy Graduate – AWS Academy Introduction to Cloud (Semester 1) by Amazon Web Services (AWS).
- Certified in Problem Solving (Basic) by HackerRank, emphasizing algorithmic proficiency.
- Certified in Problem Solving (Intermediate) by HackerRank, demonstrating advanced problem-solving capabilities.