

Vishnu Nair

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SUMMARY

Skilled Software Development Engineer / Full Stack Developer with expertise in building scalable, high-performance web applications. Strong experience with React.js, JavaScript, Typescript and Next.js for creating responsive, user-focused interfaces, and backend development using Java, Spring Boot, Python, and Node.js. Proven ability to optimize performance, reduce latency, build real-time solutions, and solve complex edge cases while delivering clean, maintainable code.

EDUCATION

Christ University Bangalore Master of Computer Applications, Computer Applications – 73%	<i>Jul 2023 – May 2025</i>
Kristu Jayanti Autonomous College Bachelor of Computer Applications, Computer Applications – 83%	<i>Aug 2020 – May 2023</i>

EXPERIENCE

Shoffr — <i>Software Development Engineer</i>	<i>Jan 2025 – Present</i>
<ul style="list-style-type: none">Implemented trip prioritization algorithms, boosting admin efficiency by 75%.Built scalable multi-traveler and co-passenger modules to optimize high-volume booking flows.Developed CSV-based reconciliation, improving financial accuracy by 60%.Implemented time-zone normalization with Moment.tz for consistent cross-country rendering.Engineered real-time backend–frontend synchronization, reducing latency and ensuring consistent trip states.Built a full B2B partnership webpage, increasing inbound corporate inquiries by 55%.Integrated external APIs (Paytm Link) with scheduler-based verification.Designed scalable backend workflows with efficient routing and normalization for high-volume operations.Automated flight-delay handling to improve ops scheduling and provide proactive guest notifications.Built Saved Address APIs and frontend with Redux for seamless address management.Implemented RabbitMQ-based automation for real-time, reliable trip-cancellation notifications.Created a frontend dashcam-viewing module enabling secure live access to trip footage.	
ICIER — <i>Junior Software Development Intern</i>	<i>May 2024 – Aug 2024</i>
<ul style="list-style-type: none">Engineered MERN applications with clean, modular OOP-based JavaScript code.Built responsive React.js interfaces and developed RESTful APIs with Express.js and Node.js.Built an event management webpage with modern UI design, implementing lazy loading and custom hooks for optimized performance.	

PROJECTS

Unishare — MongoDB, ExpressJS, ReactJS, NodeJS, Tailwind CSS, Socket.IO	<i>Apr 2024</i>
<ul style="list-style-type: none">Developed a web application enabling users to borrow, lend, and share resources within a college community.Implemented an admin approval system and dashboard for managing users, listings, and transactions.Built a real-time messaging system using WebSockets and Socket.IO, ensuring low-latency communication.Applied data encryption, input validation, and secure storage practices to protect user information.	
Intervo — MongoDB, ExpressJS, ReactJS, NodeJS, Flask, Python	<i>Jul 2024</i>
<ul style="list-style-type: none">Automated interview management workflows to eliminate manual scheduling and tracking.Implemented random question generation and proctoring features for secure assessments.Automated credential creation from CSV files using Nodemailer for username and password delivery.Built an algorithm-driven scheduling system in Python based on interviewer availability.	

CERTIFICATES

Java Foundation Course: Oracle Academy	AWS Academy Cloud Foundations: AWS Academy
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TECHNICAL SKILLS

Programming Languages: C, C++, R, Python, Java, JavaScript, TypeScript, SQL, HTML, CSS, Go
Frameworks & Libraries: ReactJS, NodeJS, Tailwind CSS, Spring Boot, NextJS, Thymeleaf, Redux
Databases & Cloud: MongoDB, MySQL, AWS EC2
Developer Tools & Messaging: VS Code, Git, Postman, Docker, RabbitMQ

ACHIEVEMENTS

- 1st Place, **Treasure Hunt Shells 2024** organized by **Kristu Jayanti Autonomous College**
- Secured 3rd place in **Hackathon Event Gyanith 2024** organized by **NIT Puducherry**
- Secured 3rd place in **Code Hunt Event Gyanith 2024** organized by **NIT Puducherry**