

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%

Jul 2023 – May 2025

Kristu Jayanti Autonomous College

Bachelor of Computer Applications, Computer Applications – 83%

Aug 2020 – May 2023

EXPERIENCE

Shoffr — Software Development Engineer

Jan 2025 – Present

- 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 — Junior Software Development Intern

May 2024 – Aug 2024

- 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

Apr 2024

- 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

Jul 2024

- **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

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**