

Ajay Singh

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Professional Summary

Dynamic Senior Software Engineer with 3+ years of expertise in full-stack development, automation, and quality assurance. Proficient in JavaScript, React.js, Node.js, and cloud technologies. Demonstrated success in leading feature implementation, process optimization, and workflow automation. Consistently delivers scalable, high-performance solutions while collaborating effectively in Agile environments to exceed project objectives.

Work Experience

Persistent Systems Ltd, Pune — Senior Software Engineer

Oct 2024 - present

- Co-Led frontend development as part of a 2-member team, delivering a production-ready React application using PixiJS within 1 month, demonstrating strong ownership and on-time delivery under tight deadlines.
- Translated Functional Requirement Documents (FRDs) and Figma designs into scalable, reusable React components, ensuring high fidelity between design and implementation.
- Resolved 100+ UI/UX issues, aligning the application with approved Figma designs and significantly improving usability, visual consistency, and overall user experience.
- Refactored and standardized 15+ React components, improving code maintainability, readability, and long-term scalability.
- Identified, debugged, and fixed multiple critical frontend defects across development and production environments, improving application stability and reducing user-reported issues.
- Actively supported production releases, performing root-cause analysis and delivering timely fixes for high-priority frontend issues.

Persistent Systems Ltd, Pune — Software Engineer

Jul 2022 - Sept 2024

- Spearheaded the OpenSearch Dashboards POC initiative, delivering critical feature enhancements that secured stakeholder approval for full implementation.
- Engineered high-performance React.js components with comprehensive unit test coverage using Jest and Mocha, achieving 98% test reliability.
- Implemented data persistence solutions utilizing both SQL and NoSQL technologies (MongoDB, MySQL) to optimize application performance and scalability.
- Leveraged Redux for sophisticated state management while implementing responsive interfaces with Material UI and proprietary component libraries.
- Developed an extensive automated testing framework with 1500+ test cases using WebdriverIO and Cucumber, achieving 90% test automation with consistently high pass rates.
- Optimized test execution through parallel processing techniques, reducing total automation suite runtime by 40% (from 25 to 15 hours).

Skills

- **Languages:** JavaScript, TypeScript, Java, C#,
- **Front-end Technologies:** React.js, React Native, Material UI, Redux Toolkit
- **Back-end Technologies:** Node.js, REST API, SpringBoot
- **Databases:** MongoDB, SQL
- **Testing & Automation:** WebdriverIO, Cucumber, Chai, Jest, Moq, Xunit
- **DevOps & Cloud:** GitHub Actions, CI/CD, Azure, Git
- **Tools:** Postman, VS Code, GitHub, Newman CLI
- **Concepts & Methodologies:** Object-Oriented Programming (OOP), Functional Programming, MVC, Agile

Education

Institute of Technology Gopeshwar

2018 - 2022

B.Tech, Computer Science & Engineering

Percentage: 78%

AWARDS

- Achieved Bravo appreciation for project contribution.
- AZ-900 Microsoft Azure Fundamentals certification.
- PDEA React developer certification (internal).