

# AKHILESH YADAV

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## Summary

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**Senior Full-Stack Engineer** with 9.5+ years of experience building scalable, high-performance web applications using React.js, Node.js, NestJS, TypeScript, and PostgreSQL. Proven expertise in REST APIs, cloud deployments on AWS, and performance optimization. Strong background in leading cross-functional teams, delivering enterprise solutions across fintech and e-commerce domains, and implementing secure, production-ready architectures. Adept in Agile environments with a consistent track record of improving user experience, system reliability, and development efficiency.

## Skills

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Frontend: **HTML, CSS, JavaScript, TypeScript, React.js, Redux, Next.js**

Backend: **Node.js, NestJS, Express, PHP, Prisma ORM**

Databases: **PostgreSQL, MySQL, MongoDB, SQL**

Cloud & DevOps: **AWS (EC2, S3, Elastic Beanstalk, CodePipeline), Azure, Docker, CI/CD**

Architecture & Practices: **REST APIs, Microservices, Agile/Scrum, System Design, Performance Optimization**

Version Control Tools: **Git, Bitbucket**

Unit Testing: **Jest, React Testing Library**

API Documentation: **Swagger, Postman**

Other Stack: **Workday, MuleSoft, EDI, SonarQube, Salesforce Integration**

## Work Experience

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**Cognizant Technology | Senior Full-Stack Engineer**

**March' 24 - Present**

- Built and maintained RESTful APIs using NestJS, Node.js, and Express in a 4-member team, enabling reliable frontend-backend communication for enterprise applications.
- Optimized PostgreSQL queries, reducing average response times by 20% and improving overall system performance.
- Implemented JWT-based authentication and robust security controls (XSS, X-Frame-Options, Permissions-Policy, Referrer-Policy), strengthening application security posture.
- Designed encryption/decryption workflows using AES-256-CTR with HMAC and salt to protect sensitive user data.
- Deployed production applications to AWS (EC2, S3, Elastic Beanstalk) using CodePipeline for CI/CD, achieving 99.9% uptime.
- Developed React.js + Redux frontend features, improving application usability and maintainability.
- Led UI redesign initiatives that increased customer engagement by 40%.
- Implemented drag-and-drop functionality in React, reducing portfolio creation time by 40%.
- Integrated third-party services, including SMS and email providers, to enhance user communication.
- Participated in Agile ceremonies and peer code reviews, improving code quality and delivery velocity.
- Enforced unit and integration testing using Jest and React Testing Library to improve release stability.
- Containerized Node.js and NestJS services using Docker, improving deployment consistency across environments.

**Innowrap Technologies | Lead Software Engineer,**

**October'15- March' 24**

- Led a cross-functional team of 10+ developers, delivering high-impact projects across fintech, retail, and enterprise domains while consistently meeting timelines and quality standards.

- Architected and developed full-stack applications using React.js, Redux, Node.js, and TypeScript, improving frontend performance and code maintainability.
- Introduced TypeScript across projects, reducing runtime errors and increasing long-term code stability.
- Executed responsive, mobile-first designs to enhance user experience across devices.
- Improved application load times and scalability through performance optimization techniques.
- Designed and delivered e-commerce platforms with dynamic payment gateway integrations, increasing checkout conversion rates by 25%.
- Collaborated closely with designers, backend engineers, and stakeholders to deliver production-ready solutions.
- Conducted end-to-end testing and bug fixes to ensure smooth releases and high customer satisfaction.
- Actively contributed to Agile/Scrum processes, supporting continuous improvement in development workflows.

## Key Clients

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**Delivered solutions for major organizations, including HDFC, ICICI, Bajaj Allianz, Reliance, Big Bazaar, Mars Incorporated, Cello, Vijay Sales, Curly Tales, RGA, Lineage, and Acuvisor across BFS, logistics, fintech, retail, and enterprise domains.**

## Education

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### **Shambhunath Institute of Engineering and Technology, India**

**2012 - 2015**

- Bachelor of Technology (B.Tech) in Computer Science

### **Ryan Institute of Engineering and Technology**

**2008 - 2011**

- Diploma in Computer Science