

# Nishant Kumar

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## Full Stack Engineer | Performance Optimization Specialist

Results-driven Full-Stack with 4+ years of experience developing high-performance, scalable web applications. Passionate about optimizing performance, reducing load times, and building seamless UI/UX experiences. Proficient in **JavaScript**, **React**, **Next.js**, **TypeScript**, and **AWS** with expertise in monorepos and serverless architectures.

### Experience

**Emmes** July 2024 – Present  
**Senior Software Development Engineer** *React, Node.js, TypeScript, GraphQL, AWS, Puppeteer*

- Migrated 15 critical front-end modules from **JavaScript to TypeScript**, enhancing **type safety** and **improving maintainability**.
- Transformed **resource-heavy UI operations to serverless AWS Lambda** functions, reducing **frontend processing time by 35%**.
- Optimized backend workflows with **AWS services** (CodeCommit, DynamoDB, CloudWatch, SQS), improving system efficiency.
- Developed automated **API monitoring using AWS Synthetics**, **reducing downtime by 60%** through proactive error detection.

**Analyttica Datalabs** December 2023 – July 2024  
**Software Engineer - UI** *React, Redux Toolkit, WebSockets, Nx MonoRepos*

- Collaborated with cross-functional teams to develop engaging user interfaces and **optimize performance**.
- Reduced page **load time by 40%** through advanced **asset optimization** and **lazy loading**.
- Achieved 96% reduction in bundle size (**from 30MB to 1MB**), significantly improving application responsiveness.
- Developed a real-time chat feature using **React and WebSockets**, ensuring seamless communication.

**Doodleblue Innovations** March 2021 – June 2023  
**Senior Software Engineer** *React, Angular, Next.js, Tailwind CSS, TypeScript*

- Led the development of 10+ scalable web applications, **boosting performance by 80%**.
- Integrated **backend APIs** with **front-end** for **smooth data flow** and improved UX.
- Reduced page rendering time through **optimized asset delivery and lazy-loading techniques**.

### Skills

|           |   |
|-----------|---|
| Languages | <b>HTML, CSS, JavaScript, TypeScript, React</b> , Next.js, Angular, <b>Node.js</b> , Express.js, SASS |
| Tools     | <b>Redux, WebSockets, AWS (Lambda, DynamoDB, SQS)</b> , Firebase, <b>Tailwind CSS, Material UI</b>    |
| Expertise | <b>Performance Optimization</b> , Monorepo Management, <b>Chrome DevTools</b>                         |

### Projects

**QueryFlex**  
A GenAI-powered SQL command generator that leverages advanced AI models to intelligently build, craft, and optimize queries for MySQL, PostgreSQL, Firebase, MongoDB, Prisma, and more.

### Education

**Vellore Institute of Technology** June 2018 – June 2020  
*Master of Computer Application*  
**Patna Science College** April 2015 – April 2018  
*Bachelor of Computer Application*

### Leadership and Volunteering

**React Bangalore** March 2024 – Present  
*Speaker* - Delivered talks on **React best practices, performance tuning**, and **state management** to an audience of **200+ developers**.

**freeCodeCamp** February 2020 – Present  
*Contributor* - Published **detailed tutorials** and **technical blogs** with **20,000+ views** and **90,000+ reads**.