

Punith Kumar GP

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Summary

Software Development Engineer with experience building scalable full-stack applications using **React, Next.js, Node.js, and RESTful APIs**. Currently an SDE-1 at **Nineleaps**, delivering end-to-end features, optimizing performance, and improving system scalability. Strong problem-solving skills with **400+ LeetCode problems solved** and hands-on experience in testing and cloud platforms.

Technical Skills

- **Languages:** JavaScript, TypeScript, Python, C, C++
- **Frontend Technologies:** ReactJS, NextJS, Redux, Redux Thunk, Redux Saga, Angular, HTML, CSS, Material UI, Bootstrap
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, Microservices
- **Testing:** Jest, React Testing Library
- **Databases:** MySQL, MongoDB, SQL, DynamoDB
- **Cloud & Platforms:** AWS, Microsoft Azure, ECS, S3
- **Tools:** Git, GitHub, Bitbucket, Postman, Jira, VS Code

Education

New horizon college of engineering

August 2019 - July 2023

Bachelor of Engineering(B E) Electronics and communication engineering (CGPA: 9.19/10)

Experience

Software Development Engineer 1, Nineleaps, Bengaluru, India

Apr 2025 – Present

Client: Dataflow | **Project:** DMW

- Worked on **DMW (DataFlow)**, a data and document processing platform, building **scalable full-stack features** using React, Next.js, and Node.js.
- Implemented an **LRU-based caching mechanism** in Node.js, reducing report generation latency by **40~ %** and improving backend scalability.
- Built a **rule-based configuration and response engine** that acted as the core decision-making layer of the system
- Automated the verification pipeline, enabling **60%+ of applications** to be processed automatically through system evaluation
- Integrated **OpenAI (ChatGPT)** for document analysis and validation, achieving **85%+ accuracy** and reducing manual verification effort by **60%**.
- Designed and developed **interactive dashboards** in Next.js to visualize reports, evaluator performance, and action cards, improving operational efficiency by **25~ %**.
- Optimized backend report processing logic, improving execution speed by **50~ %** and enabling smooth handling of **10K+ records**.
- Collaborated with cross-functional teams in an Agile environment to deliver high-impact features on schedule

- Recognized with “**Feather on the Hat**” awards (5x) for consistent high-impact contributions.
- **Tech Stack:** Node.js, TypeScript, Microservices, AWS, Gitlab, openAI, Nextjs

Associate System Engineer, IBM, Bengaluru, India

Jan 2024 – Apr 2025

- Developed and enhanced **web UI features** using **React and Redux**, delivering user-centric and performance-optimized interfaces.
- Contributed to **Supply Chain and Maintenance modules**, reducing user-reported issues by **25~ %** through usability and performance improvements.
- Designed and implemented a **Transformable Workflow** in React, enabling seamless item creation and maintenance and improving onboarding speed by **50~ %**.
- Refactored legacy React and JavaScript codebases, reducing technical debt by **40~ %** and improving maintainability.
- Implemented robust **client-side validation systems**, reducing data entry errors by **60~ %** and improving overall data integrity.
- Wrote **unit and integration tests** using Jest and React Testing Library, increasing code coverage by **35~ %** and lowering post-release defects.
- Optimized frontend performance using **Chrome DevTools, Lighthouse, and React best practices**, achieving a **25+ point PageSpeed improvement** and reducing load times by **50~ %**.
- **Tech Stack:** React, Redux, Jest, HTML ,CSS, JavaScript, Jira, Github

Certifications

- Complete Next.js with React and Node - Udemy
- Digital System design - Intel
- Analysis of Air pollution - IEEE

Projects

Automatically Generate Git commit messages

- Automated Git commit message generation using NLP, reducing manual effort by 80%
- Tools Used: Python, ML

Property Management System

- Used NodeJS and express to develop the APIs and store the data in the MySQL Database
- Developed the frontend using HTML, Javascript and Bootstrap
- Tools Used: HTML/CSS, Javascript, NodeJS, SQL, ExpressJS