

Preetham P

jobs.preetham.dev@gmail.com | github.com/prth8564 | linkedin.com/in/preetham-p-762315222 | 7899091574

Skills

Languages & Frameworks: JavaScript (ES6+), TypeScript, Node.js, Express.js, React.js, Kafka

Databases: PostgreSQL, Redis, MongoDB

Testing: Unit Testing, Integration Testing, Jest, k6

Monitoring & Observability: CloudWatch, Kibana, Grafana, Log-based monitoring and debugging

Devops & Tooling: Docker, Kubernetes, Git, GitHub Actions (CI/CD)

Architecture & Concepts: RESTful APIs, Scalable API design, Backend performance optimization, Authentication & Authorization, Object-Oriented Programming (OOP)

Experience

Software Engineer | Accenture

July 06 2023 to Feb 23 2026

- Implemented production-grade caching using Redis to replace local in-memory caches, improving cache consistency across services and reducing average response times by **25–30%** under load.
- Implemented a Kafka-based scheduler to emit time-driven events for backend workflows, improving processing reliability and reducing manual intervention by **20%**.
- Contributed to migrating backend services from on-prem infrastructure to AWS EKS by containerizing applications and configuring deployments across non-production environments, reducing deployment setup time by **40%**.
- Tuned database performance by analyzing query patterns and introducing global and secondary indexes for high-traffic APIs, cutting critical query latency by **35–45%**.
- Established centralized error-handling mechanisms in Node.js services, improving system reliability and reducing debugging time for production issues by **30%**.
- Built internal operational tooling to query MongoDB event data, significantly reducing time spent on debugging and root cause analysis by **40–50%**.
- Owned production support responsibilities including incident response, RCA, and log-driven troubleshooting, helping reduce repeated incident occurrence by **20–25%**.
- Strengthened engineering quality by adding Jest-based unit tests, improving regression detection by **30%**.
- Implemented CI pipelines with GitHub Actions, cutting deployment errors and setup effort by **25%**.

Projects

Code Documentation Generator - React, TypeScript, Babel AST, Gemini API

- Built a developer tool that parses JavaScript/TypeScript code using Babel AST to automatically generate structured documentation.
- Integrated Gemini API to produce concise, human-readable summaries of code blocks, rendered using Markdown with syntax highlighting for improved readability.
- Github Link: https://github.com/prth8564/code_documentation_generator

Education

RNS Institute of Technology B.Tech – Electronics and Communication Engineering | May 2023

Links

Github: <https://github.com/prth8564> **Leetcode:** https://leetcode.com/u/Preetham_2065/