

Aniket Pathak

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EDUCATION

Kalinga Institute of Industrial Technology, Bhubaneshwar

B.Tech. Computer Science Engineering CGPA: **9.23**

Odisha, India

Sept 2020 - Sept 2024

EXPERIENCES

Nokia Solutions and Networks

Bengaluru, India

Software Developer

July 2024 - present

- Developed core **RESTful APIs** for client Network Management Platforms, enabling new features through **agile** collaboration with frontend teams.
- Contributed to developing key **microservices** for configuration management, enhancing system scalability and contributing to a **35%** improvement in system response times.
- Engineered **Java services** to transform user inputs into **YANG**-based network configurations, processing over **3,000 daily requests** for clients like TCL and Vodafone.
- Enhanced **RESTConf API** integrations with network elements, improving configuration success rates from **92% to 99.5%** through robust retry logic.

Nokia Solutions and Networks

Bengaluru, India

Software Developer Intern

Aug 2023 - May 2024

- Contributed to the development of **TSPortal**, a network management application serving over **15 enterprise clients**.
- Optimized database queries that reduced API response times by **20%** for high-traffic endpoints such as QoS, node-performance.
- Developed backend services for multiple end-to-end features like Node User Profile and Optics Reporting modules, handling data for **1000+ network devices**.
- Resolved **20+ production bugs** and implemented feature enhancements based on customer requirements.

PROJECTS

Flexboard : React component library for re-sizable sidebars

[React, Typescript]

- Designed & engineered a high-functional and user-friendly sidebar component library with complete resizable.
- Leveraged Rollup, Storybook, Styled Components, Husky, Jest, and GitHub Actions to optimize the development.
- Achieved outstanding community popularity with **250+ GitHub stars** and **40+ weekly NPM** downloads.

Go-Proxy : Forward proxy implementation

[Go, REST, http]

- Developed a reverse proxy supporting **HTTP/TCP** traffic, **LRU** eviction, and **in-memory caching** to reduce request-response time by **90%** for cacheable requests.
- Integrated a metrics dashboard by exposing a **/metrics** endpoint to visualize live request stats such as **active connections, request count, error rate, and cache-hit and miss**.
- Handled **10,000+** concurrent connections using Go's asynchronous goroutines.

SKILLS

- **Languages:** C++ | Java | JavaScript | Python | SQL | Go | Shell
- **Libraries:** Spring Boot | Next.js | Flask | FastAPI
- **Tools:** Git | MongoDB | Linux | Docker | Postman | GCP | Kubernetes
- **Concepts:** Data Structures and Algorithms | System Design | Operating System | Computer Networking

AWARDS AND ACHIEVEMENTS

- **Nokia Fearless Award:** Received recognition from QA tester within the team for the prompt delivery of features and fast learning curve.
- **GCP Associate Cloud Engineer:** Certified Associate Cloud Engineer by Google Cloud Platform.