Nikhil George in

☐ +91 9207695787 • ✉ thegeorgenikhil@gmail.com • 🌐 nikhilgeorge.in
○ @thegeorgenikhil

Education

Kalinga Institute of Industrial Technology   **Bhubaneswar, India**
Bachelor of Technology(B.Tech) in Computer Science and Engineering - CGPA: 8.12   *June 2021- June 2025*

Experience

Backend Engineering Intern(Remote)
Armur.ai   *May 2023 - July 2023*

- Developed a **POC** for a security audit tool using **Go**, **React**, and **MongoDB**, which later evolved into one of the company's **core offering**.

- Spearheaded **API integration** for the product, empowering customers to **scan** smart contracts **directly** through **endpoints** programmatically.

- Integrated **OpenAI API** for vulnerability detection in smart contracts.

- Leveraged **S3** for efficient file uploads and enabled **PDF generation** of vulnerability reports, while also **Dockerizing** the entire application for streamlined deployment.

- Collaborated with the product team to **design** and **implement** additional APIs required for enhanced functionality and user experience.

Projects

CourseCraft *Gitlab*
A self-deployable course platform, catering to single instructors selling courses online.   *January 2024*

- Designed scalable **microservices** using **gRPC** for optimized communication.
- Implemented **course management**, **enrollment**/**purchasing**, secure authentication, and **video delivery**.
- Orchestrated an **event-driven architecture** using **RabbitMQ** for sending emails.
- Developed responsive frontend interfaces for both instructors and students using **SvelteKit**, ensuring optimal user experience.

Collect *Github*
*A form collection service created with scalability in mind, uses **event-driven architecture**.*   *March 2024*

- Empowered users to build **complex**, **dynamic** forms with ease, streamlining **data collection** process.
- Designed a **scalable**, **real-time** data collection pipeline using **Go** services, **Kafka**, and **PostgreSQL** for efficient processing and storage.
- Enhanced availability and fault tolerance with **replication** and **consumer retry strategies**.
- Incorporated **Google Sheets** and **Twilio** integrations for added functionality.

Video Transcoding Service *Github*
A serverless video transcoding service using AWS.   *April 2024*

- Built a **highly available**, **serverless** video transcoding service on **AWS**, delivering **scalability** and **unmatched cost-efficiency.**
- Achieved a remarkable **700% reduction in costs**, compared to existing market solutions.
- Uses *S3, Lambda, ECS, API Gateway, EventBridge, DynamoDB*.

Skills

- **Programming Languages:** C/C++, Java, Javascript, Go, Python
- **Backend:** NodeJS, RabbitMQ, Kafka, Websocket, GraphQL, gRPC, AWS, Docker
- **Frontend:** React, Svelte, Redux, Typescript, Next.js, SvelteKit
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Others:** Git, Bash, Linux, Microservices

Achievements and Extracurriculars

- **Finalist** at HackNeoG Hackathon, organized by **neogCamp** (*Top 9 out of 34 Teams*)
- Member of the core organising team of GDSC KIIT's **DevSprint22 Hackathon** with over **200+** participants.

Last Updated on April 9, 2024. Hyperlinks are underlined