

# Zoheb Khan

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## Summary

19-year-old programmer who enjoys developing software and reading whitepapers as hobby. I am looking for part-time backend engineering and research intern roles at a systems lab. For the past three years, I have been involved in the programming community for 3 years now with an interest in fintech and developer toolchain products.

## Experience

### Backend Engineer | 10/2024 - 02/2025 | tickadoo | UK/Remote

- **Designed & Implemented** scalable backend **READ APIs** using PostgreSQL & Golang for **dynamic content generation**
- **Resolved availability issues** in show **listings** by implementing an **LRU caching strategy**, reducing redundant DB queries
- **Developed an automated tag generation system** using Python and **LangChain** to **generate relevant tags** for a product

### Software Engineer Intern | 09/2023 - 02/2024 | Helmer | Bangalore/Remote

- Worked on an internal developer tool using ffmpeg, scap, which was a cross-platform screen-capture library.
- Developed UI/UX of Helmer-Micro, MVP of Helmer.

### Software Engineer Intern | 03/2023 - 05/2023 | CloudQA | Hyderabad/Remote

- Built applications with ASP.NET and everything surrounding the C#(.NET) ecosystem
- Worked with Vue.js to build CRM sites.

### Research Intern | 10/2022 - 02/2023 | International Institute of Information Technology, Bangalore | Bangalore/Remote

- worked under the assistance of Prof. S.K. Chakraborty
- learnt about interpreter and compiler systems and how to build interpreters
- contributed to state-chart verification project

### LimboHacks | 07/2021 - 11/2021 | Organizer

- Collaborated with 5 other organizers from around the globe
- Maintained the codebase of the microservices, managed mentors, participants

## Projects

- [pbudget](#) - rust, actix web, jwt-auth - *Personal Budget API*
- [bwdm](#) - pcap, golang - *Bandwidth Monitoring CLI-TUI*
- [rustfuscator](#) - rust, regex - *Javascript Obfuscator*
- [ws-cli](#) - rust - *Web Scraper CLI*

## Books and Publications

Zoheb Khan, Notionpress, 2022, [Hypebeast: Building web apps with Typescript, Node.js, React.js, PostgreSQL](#)

## Skills

C++, SQL, Java, Git, Rust, Python, Javascript, GraphQL, Node.js, Golang, Zig, Communication skills

## Education

B.Tech Computer Science | Silicon University | 05/2028 | Bhubaneswar

High School | Deepika English Medium School | 03/2024