

Rasib Nadeem

BACKEND/FULLSTACK SOFTWARE ENGINEER

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Professional Experience

Software Engineer

Remote, Pakistan

CAREEM

June 2024 - Present

Bikes & Tenants team (Golang, Springboot, NextJS, MySQL)

- Unified Laundry, Home Cleaning, and Salon & Spa services into a single Home & Spa category and migrated terabytes of user data with zero downtime.
- Integrated 5 new services (Lab Test, Pest Control, IV Therapy, Packers&Movers, Flu Vaccine) for Careem tenants.
- Cut P95 latency by 2x for popular endpoints by fixing N+1 query problems in commonly used JPA queries.
- Built a full-stack dashboard for operators to manage bike stations and their coverage zones.
- Handled on-call incidents for bikes and tenants services, shipped numerous bug fixes and maintained high service uptime.

Food team (Golang, Elastic Search)

- Automated OpenAPI docs generation for legacy endpoints, removing manual documentation work.
- Built tooling to change log levels for any service without redeployment.
- Powered top 10 restaurant lists in Careem Food app by building personalized curation endpoint.

Localization team (Python, pandas, FastAPI)

- Streamlined app-wide translation process by building reviewer CRUD for LLM-generated translations.

Teaching Assistant

Karachi, Pakistan

INSTITUTE OF BUSINESS ADMINISTRATION

Spring 2023 - 16 months

- Held tutorials and office hours to clarify difficult topics in Theory of Computation and Algorithm Design courses.
- Provided tailored feedback on assignments for 160+ students, improving their grasp of key concepts.

Projects

Quark Programming Language

[🐙 rasibn/quark](https://github.com/rasibn/quark)

RUST, RECURSIVE DESCENT PARSING

- Created an ergonomic DSL for quantum computing by building a complete programming language that transpiles to Python NumPy for efficient computation.
- Achieved full language functionality by implementing lexer, parser, and semantic analyzer supporting functions, variables, scoping, types, arrays, and matrix operations.

Skills

Programming Languages Golang, Python, JavaScript/TypeScript, Rust, Java

Technologies React, Vue.js, Svelte, Spring Boot, Kafka, Linux, Nix, Docker

Education

Institute of Business Administration

Karachi

BSCS

2020 - 2024

- CGPA: 3.67