

ASAD MEERAN

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SUMMARY

Full-Stack Software Engineer building scalable web and mobile applications across React, React Native, Node.js, Next.js, and Nest.js, with growing systems-programming experience in Rust. Shipped 85+ merged PRs on a live trading platform, real-time WebSocket systems, and LLM-powered automation, and landed merged contributions in **microsoft/vscode** and **rust-lang/rust**. Strong foundation in data structures, API design, CI/CD, and scalable architecture.

EXPERIENCE

QuantumByte

Associate Software Engineer

Jan 2026 – Present

Faisalabad, Pakistan

- Ship and maintain production full-stack features using React, Node.js, Next.js, Nest.js, and Rust in an Agile engineering environment.
- Design RESTful APIs, integrate third-party services, and drive modular backend architecture through peer code reviews.
- Design and implement CI/CD pipelines for automated testing and deployment.

FAST-NUCES

Teaching Assistant — Data Structures & Algorithms

Jan 2024 – May 2024

Faisalabad, Pakistan

- Mentored 50+ undergraduates in DSA, algorithm design, and code optimization; graded assessments and held weekly office hours.
- Designed 6 assignments on linked lists, trees, and graphs with edge-case test suites, improving student debugging proficiency by 30%.

EHM IT Services

Email Marketing Specialist

Jun 2023 – Jun 2024

Faisalabad, Pakistan

- Planned, executed, and A/B-tested targeted campaigns; tracked CTR, conversion, and bounce metrics to optimize lead generation.

PROJECTS

Prop Capitals | *Next.js, Nest.js, TypeScript, Tailwind CSS, GitHub Actions, Vercel*

prop-capitals.com

- Delivered 75+ merged pull requests on a production proprietary-trading platform: built the trading terminal, integrated forex and crypto market-data APIs, and fixed admin dashboard UI and backend security issues.
- Shipped a pricing/currency selector, internationalization, legal pages, and an npm-to-pnpm monorepo tooling migration.
- Remediated a live code-injection incident and hardened the CI/CD pipeline (GitHub Actions, Vercel) against re-infection.

Scrapify (Final Year Project) | *React.js, React Native, Node.js, PostgreSQL, Stripe*

- Engineered a cross-platform waste-management marketplace with real-time rider tracking, geolocation image capture, and Stripe payment processing.
- Designed the full system architecture (DFDs, deployment & package diagrams) and built B2B flows, a subscription model, and an admin monitoring dashboard.

HealthTracker | *React Native (Expo), TypeScript, Redux Toolkit, Next.js, PostgreSQL, Prisma*

- Built a cross-platform health-monitoring app with vitals tracking, symptom logging, and server-side real-time alerts behind a typed REST API; secured authentication with JWT and bcrypt.

WhatsApp Automation Tool | *OpenAI API, Python, Flask, Next.js, n8n*

- Built an end-to-end AI chatbot automating FAQs, order intake, live-location pickup, rider assignment, and receipt delivery via a Next.js admin portal.

WeChat | *Node.js, Express, WebSocket*

- Developed a real-time messaging app supporting 500+ concurrent users with low-latency WebSocket communication and optimized connection handling.

Rust CLI Projects | *Rust, Cargo*

- Building command-line programs in Rust while working through the Rust Book, applying ownership/borrowing, pattern matching, and **Result/Option** error handling — groundwork that led to merged contributions in rust-lang/rust.

OPEN-SOURCE CONTRIBUTIONS

- **microsoft/vscode** — Merged PR #319577 (Jun 2026) fixing the issue reporter’s “Preview on GitHub” link opening the repository root instead of the pre-filled new-issue form.
- **rust-lang/rust** — Merged PRs #156826 & #156823 (May 2026) clarifying a rustfmt style-guide rule for nullary calls and adding a rustdoc intra-doc-link regression test.
- Authored **GITHUB-BADGES** (16 GitHub stars), a community reference for GitHub badges and achievements; mentor students through guided open-source contributions.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Rust, Python, C++, C#, C, SQL
Frontend: React.js, React Native (Expo), Next.js, Redux Toolkit, Tailwind CSS, NativeWind, Bootstrap, HTML5, CSS3
Backend & Systems: Node.js, Express.js, Nest.js, Django REST Framework, Flask, WebSocket, REST APIs, Rust (Cargo)
Databases & ORM: PostgreSQL, MySQL, Prisma, Supabase
AI & Automation: OpenAI API, LLM Integration, n8n, OpenCV, OpenClaw
DevOps & Tools: Git, GitHub Actions, CI/CD, Vercel, pnpm, Jira, Stripe API, Linux/Shell

EDUCATION

National University of Computer and Emerging Sciences (FAST-NUCES)	Aug 2021 – Aug 2025
<i>Bachelor of Science in Computer Science</i>	<i>Faisalabad, Pakistan</i>
• Relevant Coursework: Data Structures & Algorithms, OOP, Database Systems, Artificial Intelligence, Software Engineering, Digital Image Processing & GIS.	