

# Abdul Rahman

Software Engineer / Full Stack Developer / Open Source Contributor

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## Summary

Software engineer with hands-on experience building backend systems, desktop applications, and developer tools, passionate about automation, clean code, and creating solutions that improve productivity.

- Built a list conversion tool serving 3.5k+ users, saving hundreds of hours of manual work.
- Developed VS Code extensions actively assisting 500+ developers.
- Contributed core implementation enhancements to Figma's SVG export system.
- Strengthened university core data architecture for enhanced security

## Education

**University of Engineering and Technology**

*BS in Computer Science*

- CGPA 3.51/4.0

*Sept 2023 — Present*

*Lahore, Pakistan*

## Technical Skills

**Programming Languages:** Python, JavaScript, TypeScript, C, C++, SQL, C#.

**Frameworks and Libraries:** Next.js, MERN Stack, Django, Flutter, .NET.

**Tools and Technologies:** Supabase, Azure, Docker, GitHub Workflows, Vercel.

**Databases:** PostgreSQL, MongoDB, MySQL, SQLite.

**Soft Skills:** Leadership, Observation, Creative Thinking, Focused Work Ethic.

## Experience

**Backend Developer**

*Freelance (Self Employed)*

*2023 — Present*

- Developed fullstack systems for clients using Django, Node.js, and .NET, including REST APIs, web applications, and automation scripts.

**Graphic Designer**

*Freelance (Self Employed)*

*2021 — 2023*

- Directed and designed marketing materials for clients, including UI/UX design, branding, and social media content.

## Projects

### VSCoDe Extensions & Integrations

- **Markdown LaTeX PDF Builder** (Python, LaTeX): Built a Markdown-to-LaTeX PDF tool supporting diagrams, live code execution, custom syntax, and easy VSCoDe integration, producing publication-quality documents and academic notes.
- **Markdown Math Solver** (Python): Built a pip-installable package that embeds Python inside LaTeX equations, enabling live computation, parameterized templates, and symbolic solving for model training docs and technical reports.
- **AI LaTeX Helper** (TypeScript, VSCoDe API, Gemini): Created an extension that converts plain English descriptions into LaTeX equations, simplifying the process of writing math in LaTeX.

### Desktop Applications

- **Context Menu Plugin Manager** (Python, Flet): Developed a desktop app that allows users to manage and extend Windows context menus with custom Python plugins for enhanced directory actions.
- **AMOS** (C#, WinUI 3): Designed a modern restaurant management system enabling seamless order processing and administration for customers, managers, and admins.

### Web Applications

- **Screenshoots** (JavaScript, Next.js): Built a tool to preview websites in device frames and generate styled screenshots and isometric galleries for polished portfolio and marketing assets.
- **Odoo Lens** (TypeScript, Next.js): Built a web app that augments Odoo ERP with advanced analytics, search, and management tools for business insights.