Muhammad Taha Ali

Backend & Automation Engineer

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NotTahaAli

// SUMMARY

Backend and automation engineer with 6+ years building production APIs, delivery pipelines and integrations. CS student at FAST NUCES, CGPA 3.92. Strongest in Node/TypeScript backends, Roblox and Shopify integrations, and Linux VPS operations.

// EXPERIENCE

Full Stack Engineer (Contract), Zelta Digital (LootBun, NookPop) — Feb 2026 – Oct 2026

- Built LootBun, a direct-checkout Robux storefront on Next.js with pg-boss job queues, Supabase and Sanity - Stripe straight through, no Shopify in front of it. Live since June 2026 and past 1,000 orders.

Lead Backend & Automation Engineer (Contract), HappyCrown (BloxCart, NeonPets) — Feb 2023 – Oct 2026

- Built the backend from scratch for a group of Roblox trading stores - REST APIs, WebSockets and Shopify integrations. BloxCart alone was running over 32.5k orders a quarter as of 2025.
- Wrote automated product delivery pipelines in Lua and TypeScript that replaced manual fulfilment, raising checkout conversion by up to 70%.
- Ran production Windows and Linux VPS instances for the stores - plus bi-directional WebSocket-to-HTTP converters and Discord bots for the support team - cutting operational costs around 60%.

Backend & Automation Engineer (Freelance), AquaBlox — Aug 2026 – Sep 2026

- Built a Roblox virtual-goods delivery system end to end for a Shopify store - claim site, bot dashboard, backend and the in-game bot - and shipped it in 14 working days.

Full Stack Developer (Freelance), BloxPlaza (formerly MM2Plaza) — Jun 2023 – Mar 2026

- Built the eBay integration in TypeScript, on top of the store's existing Shopify system.

Head of Automations & Cyber Security Competition, SOFTEC, FAST NUCES — Jan 2024 – Apr 2026

Officer, Infrastructure & Web Development Competition (SOFTEC 2024), Deputy Head of Infrastructure (SOFTEC 2025)

- Hosted the society's web platform across separate cloud services for an event with around 2,000 registered participants.

Software Engineering Intern (Volunteer Programme), Systems Limited — Jul 2024 – Aug 2024

- Built an authentication system end to end in Express, Astro and PostgreSQL with Google OAuth, WebAuthn passkeys, reCAPTCHA and Jest coverage, deployed and running.

Full Stack Developer (Freelance), Roblox virtual-goods platform (client) — 2020 – 2022

- Wrote Lua automation scripts for product delivery, and fixed the client's existing delivery bot and wired it into an API.

// PROJECTS

SessClone, TypeScript, Next.js, PostgreSQL

- Built and deployed an open-source Claude Code usage and cost tracker with a multi-tenant dashboard consolidating spend across developers, projects, devices and models; 558 commits.

LatexPipeline, Python, LaTeX, CI/CD

- Integrated AI-assisted document editing, collaboration tools, an MCP server, VS Code integration and a remote compilation API, using Claude for much of the implementation.

NASM Tools, TypeScript, VS Code API

- Built and published a VS Code extension that assembles, runs and debugs 8086 assembly in DOSBox - 6,493 marketplace installs.
- Automated NASM and DOSBox-X installation across Windows, Linux and macOS, covering winget and five Linux package managers.

// EDUCATION

BS Computer Science, FAST National University of Computing & Emerging Sciences — Aug 2023 – Jun 2027

- CGPA 3.92/4.0. Rector's List (Spring 2025, Fall 2025). Dean's List (Fall 2023, Spring 2024, Fall 2024, Spring 2026). Teaching Assistant, Digital Logic Design (Spring 2025) - 43 students.

// SKILLS

TypeScript, Node.js, Express.js, Lua, PostgreSQL, SQL, Linux / VPS administration, AWS (EC2, S3, IAM, RDS), Python, C++, AI agent orchestration, REST APIs, WebSockets, Shopify integrations, Git, Drizzle ORM