

Muhammad Haris Shah

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Professional Summary

Full Stack Engineer with 5 years of experience building production web applications using React, Next.js, TypeScript, Python, and Node.js. Experienced in developing scalable customer-facing applications, AI-powered automation tools, REST APIs, and cloud-based solutions. Passionate about building performant software, solving complex problems, and delivering high-quality products.

Skills

- **Frontend:** React • Next.js • TypeScript • JavaScript • Tailwind CSS • Vue.js
- **Backend:** Python • Node.js • NestJS • PostgreSQL • Prisma • REST APIs • MongoDB
- **State Management:** Redux Toolkit • TanStack Query
- **Cloud & DevOps:** AWS • Docker • Git • CI/CD • Nx Monorepo
- **Tools:** Playwright • Stripe • API Integrations

Experience

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|---|--------------------------|---------------------|----------------------|
| Full Stack Developer | <u>Hybrid MediaWorks</u> | Islamabad, Pakistan | May 2025 – Present |
| <ul style="list-style-type: none">• Built and shipped production React, Next.js, and Python applications.• Developed responsive, high-performance user interfaces focused on usability and scalability.• Built REST API integrations including Stripe payments and Meta APIs.• Migrated multiple repositories into an Nx monorepo, improving maintainability and developer productivity.• Led code reviews and mentored junior developers on React and TypeScript best practices.• Built a browser-based WebHID hardware configuration application using React and TypeScript for direct device communication. | | | |
| Full Stack Developer | <u>Scale Pixels</u> | Lahore, Pakistan | Aug 2024 – May 2025 |
| <ul style="list-style-type: none">• Built production AI-powered web applications using React, Next.js, TypeScript, Python, and Node.js.• Developed Python automation tools integrating LLM APIs and external services.• Built AI-powered workflows for content generation and automation.• Integrated LLM-powered features into production customer-facing applications.• Developed responsive user interfaces using React and Material UI.• Collaborated with product and design teams to deliver new features.• Delivered features in fast-paced Agile development environments. | | | |
| Software Engineer | <u>Datum Brain</u> | Lahore, Pakistan | May 2022 – Aug 2024 |
| <ul style="list-style-type: none">• Developed responsive production web applications using React, Next.js, TypeScript, and Tailwind CSS.• Built reusable component libraries and design systems used across multiple applications.• Improved frontend performance, accessibility, and maintainability.• Worked closely with designers to build polished user experiences.• Contributed to a large-scale fintech banking platform using Vue.js. | | | |
| React Developer | <u>Freelance</u> | Remote | Sept 2021 – May 2022 |
| <ul style="list-style-type: none">• Delivered responsive React applications for multiple clients.• Gathered requirements and delivered production-ready solutions.• Built reusable UI components using Tailwind CSS and Bootstrap.• Managed projects independently from planning through deployment. | | | |

Selected Projects

AI Content Generation & Automation Platform:

- Built a Python-based AI content generation and workflow automation platform integrating Claude API, Google Sheets, and external APIs.
- Developed automated pipelines for content generation, validation, and quality assurance to streamline production workflows.
- Implemented retry logic, error handling, and reporting tools to improve automation reliability.
- Built internal tools using Python and Streamlit for content management and operational workflows.
- Optimized AI processing pipelines to improve efficiency and reduce manual work.

Website Migration & Component Builder:

- Built a Next.js migration pipeline that automatically converted WordPress websites into reusable React components.
- Implemented DOM analysis, template detection, and automated component generation.
- Reduced duplicate component generation through structural template detection, improving generated code quality and maintainability.

WebHID Controller Configurator:

- Built a browser-based hardware configuration interface using React, TypeScript, and the WebHID API.
- Enabled direct real-time communication between the browser and controller firmware.

Volunteering

Mentor	<u>The Collab Lab</u>	Remote	Aug 2024 – Jan 2025
● Mentored a team of four junior developers alongside two senior engineers during a remote collaborative program. ● Conducted code reviews, provided technical feedback on pull requests, and helped improve code quality and engineering best practices. ● Guided developers through React development workflows, debugging techniques, and collaborative software development.			

Education

Bachelor of Science	<u>Bacha Khan University</u>	Charsadda, Pakistan	Aug 2018 – Sep 2022
● Major in Computer Science			