

Muhammad Talal Jamil

Full Stack Developer (Frontend Focused) React, Next, Node, TypeScript

github.com/itxtalal mtalaljamil.me [linkedin.com/in/itxtalal](https://www.linkedin.com/in/itxtalal) itxtalal@gmail.com +92 300 0817772

SUMMARY

I'm a Full-Stack Software Engineer with 2+ years of experience building and enhancing fast, scalable, and user-friendly web applications. I specialize in leveraging technologies like React, Next, Vue, Node.js, PostgreSQL, and AWS to develop high-performing solutions that provide excellent user experiences. My expertise includes creating MVPs from scratch, optimizing costs, modernizing legacy systems, and improving efficiency. By incorporating AI tools into my workflow, I refine my development process, validate ideas, and expand my domain knowledge. Whether working on frontend design or backend architecture, I prioritize quality, collaboration, and innovation to turn fresh ideas into impactful digital products.

EXPERIENCE

- Zigron** Islamabad, PK
Full Stack Software Engineer March 2024 - Present
 - Developing new features and maintaining the product using React, Material UI, Node.js, PostgreSQL, and AWS services.
 - Optimized the application by transitioning from Elasticsearch to PostgreSQL for some features, improving performance by 30% and reducing operational costs by 50%.
 - Identified and optimized top-performing SQL queries, enhancing data processing speed by 20% and decreasing CPU usage to keep under the limit of 90%.
 - Launched new features and fixed bugs, reducing reported issues by 40%.
 - Developed and deployed a system to publish release notes for each production release, synchronizing them with the static release notes website and the admin portal for each environment.
 - Partnered with the QA team, achieving a 85% pass rate in QA testing.
 - Engaged in agile processes, including daily stand-ups, sprint planning, and retrospectives.
- Cowlar Design Studio** Islamabad, PK
Full Stack Software Engineer July 2023 - March 2024
 - Created a custom screen recording browser extension CowLoom for the company's internal usage. This in-house solution allowed users to record meetings locally with features like pause/resume and discard/finish recording, eliminating reliance on paid subscriptions.
 - Built a comprehensive documentation website for Cowloom, reducing support inquiries by an estimated 15%.
 - Led the frontend development for the Digital Transformation project, focusing on dashboard and device management, content management, and implementing real-time updates using web sockets.
 - Developed a flexible modern frontend project template that can quickly bootstrap CRM or dashboard projects with easy customizations, significantly reducing development time.
 - Co-developed the Digital Fairways landing page, contributing to mobile/tablet responsiveness, high Google Lighthouse scores, and backend email integration.
 - Added PDF generation capability to IoT Core using Puppeteer, including updates to Dockerfile and GitLab pipeline.
 - Built multiple reusable Vue components for Cowlar's frontend design library package including modals, buttons, tables, and templates.
 - Fixed critical bugs and implemented unit/integration tests for the EIP and Thanos projects, ensuring code quality and stability.

• ScaleMath

London, UK

Frontend Engineer

Oct 2022 - May 2023

- Developed and implemented complex features for a robust SAAS product.
- Implemented an Agile Board with sorting functionality.
- Collaborated with cross-functional teams for seamless integration and optimal user experience.
- Engaged in agile development processes, including daily stand-ups, sprint planning, and retrospectives.

• AlphaSquad

Islamabad, PK

Frontend Engineer

Summer 2022

- Enhanced project features and addressed critical bugs and vulnerabilities.
- Optimized project structure for increased efficiency.
- Implemented new features, including drag-and-drop functionality.
- Developed a responsive landing page for the company, ensuring high-quality code and attention to detail.

• Upwork

Remote

Full Stack Software Engineer

June 2021 - July 2023

- Developed and maintained 10+ web applications using React, Next.js, Node.js, Express, MongoDB, and MySQL.
- Collaborated with clients to understand their needs and deliver high-quality solutions.
- Designed and implemented scalable back-end systems, including database design and API integration.
- Created responsive, user-friendly front-end interfaces following modern design principles.
- Provided ongoing technical support and maintenance after project completion.
- Built strong client relationships, consistently achieving high satisfaction levels.

EDUCATION

• NUST

Islamabad, PK

Bachelor of Engineering in Software Engineering; GPA: 3.21/4.0

Sep. 2019 - July. 2023

PROJECTS

• PhishDetector - Final Year Project (FYP)

- Developed an anti-phishing solution with a browser extension, admin dashboard, API endpoints, ML model, and cloud integration.
- The extension detects phishing in real-time, the dashboard offers analytics, and the ML model identifies threats.
- **Github Repository:** <https://github.com/itxtalal/phishdetector-fyp>
- **Deployed Landing:** <https://demo-phishdetector.vercel.app/>

• Reddit Clone

- Built a Reddit clone with Next.js and Firebase, featuring user authentication, posting, commenting, and voting.
- **Github Repository:** <https://github.com/itxtalal/reddit-clone>
- **Deployed Version:** <https://reddit-clone-five-iota.vercel.app/>

• Metaversus UI/UX

- Designed an animated agency website using Next/React, Framer Motion, and TailwindCSS.
- Features include smooth animations, interactive elements, and responsive layouts.
- **Github Repository:** <https://github.com/itxtalal/metaversus-uiux>
- **Deployed Version:** <https://metaversus-uiux.vercel.app/>

SKILLS

- **Languages:** JavaScript, TypeScript
- **Frontend:** React, Next.js, Vue, Nuxt.js, Tailwind CSS, SCSS/SAAS, Material UI, Chakra UI, shadcn/ui, Charts
- **Backend:** Node.js, Express, NestJS, Prisma, Sequelize, PostgreSQL, MongoDB, Firebase, Supabase
- **APIs:** REST, JSON Web Tokens (JWT), GraphQL, TRPC, MQTT
- **Cloud:** AWS (Lambda, Cognito, CloudWatch, OpenSearch, RDS, SNS, SQS)
- **DevOps:** Docker, GitLab Pipelines
- **Databases:** PostgreSQL, MySQL, MongoDB,
- **Testing:** Jest, Selenium, Unit Testing, E2E Testing

CERTIFICATIONS/COURSES

- **SCRUM Fundamentals Certified** – Scrum Training Institute
- **Jira Fundamentals** – Atlassian University
- **Meta Frontend Developer Specialization** – Coursera (Meta)
- **API Design in Node.js** – Frontend Masters