Muhammad Talal Jamil

Full-Stack Software Engineer with Strong Frontend Expertise

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EXPERIENCE

Zigron   Islamabad, PK
Senior Full Stack Software Engineer   *March 2024 - Present*

- Maintaining and developing the web application's frontend and backend using React, Material UI, SCSS, Node, Express, PostgreSQL, and AWS services.
- Transitioned from ElasticSearch to PostgreSQL, improving performance by 30% and reducing operational costs by 50%.
- Optimized SQL queries, enhancing data processing speed by 20%.
- Refactored and modernized legacy code to improve performance and maintainability.
- Launched new features and fixed bugs, reducing reported issues by 40%.
- Collaborated with clients to understand needs, propose solutions, and strategize project plans.
- Partnered with the QA team, achieving a 95% 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 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, HighCharts

- **Backend:** Node.js, Express, NestJS, Prisma, Sequelize, PostgreSQL, MongoDB, Firebase

- **DevOps:** Docker, AWS (Lambda, Cognito, CloudWatch, OpenSearch, RDS, SNS, SQS), GitLab Pipelines

- **Testing:** Jest, Selenium, Unit Testing, E2E Testing

- **Other:** REST API, GraphQL, TRPC, MQTT

Certifications/Courses

- SCRUM Fundamentals Certified

- Jira Fundamentals

- Meta Frontend Developer Specialization

- Advanced React

- API Design in Node