

ZULQARNAIN HUDA

Senior Software Engineer

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Karāchi, Sindh, Pakistan

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EXPERIENCE

Senior Software Engineer

VentureDive

06/2022 - Present Karāchi, Sindh, Pakistan

A software solutions company specializing in enterprise-level applications

- Designed and implemented dynamic, multi-step forms using Angular 18, PrimeNG, and Formly, enabling schema-driven wizards with conditional logic and validation
- Built reusable Formly field types like FormlyFieldRepeatCrud, supporting CRUD operations within dynamic tables using FormArray, enhancing data entry efficiency
- Integrated PrimeNG components within Shadow DOM to encapsulate styles and prevent leakage across micro frontends and isolated modules
- Translated high-fidelity Figma designs into responsive, pixel-perfect Angular components, ensuring UI consistency and a polished user experience across the platform
- Developed the frontend for Financial Risk Calculator, visualizing real-time risk scores based on configurable parameters with dynamic risk breakdown and visual indicators
- Created interactive SAR (Suspicious Activity Report) views with searchable/filterable tables, risk flags, and compliance-triggered actions
- Built Onboarding Report and Risk Assessment dashboards, allowing compliance teams to monitor applicant status, verification completeness, and calculated risk levels in real time
- Implemented tenant-aware UI for audit logs, sales analytics, and login tracking, including advanced filtering, pagination, and dynamic report export
- Led the migration from Angular 17 to Angular 18, resolving breaking changes in standalone components, reactive forms, and dependency updates across the codebase
- Managed a complete redesign of PrimeNG themes from v17 to v18, refactoring global styles, component classes, and layouts to align with the new Tailwind-based theming and design token system
- Integrated a robust multi-language translation feature using Angular i18n and dynamic language switching, enhancing accessibility for global users across tenants

Senior Software Developer Team Lead

Zaavia

07/2020 - 06/2022 Karāchi, Sindh, Pakistan

A technology company focusing on custom software solutions

- Architected and integrated a complex Stripe payment gateway, supporting Apple Pay, Google Pay, and credit card payments for seamless ticket purchases
- Developed a fully functional Tenant Portal for managing user activity, reports, and payments, providing partners with real-time insights and control
- Built dynamic, multi-tenant reporting modules including Audit Reports, Sales Reports, and Tenant Login Reports, with filtering, pagination, and export features
- Engineered robust backend services in NestJS, including scheduled tasks and secure APIs, ensuring scalability and reliability
- Designed a modern, responsive frontend using ReactJS, delivering a seamless experience for both users and providers
- Integrated the Matterport SDK to enable the loading of 3D tours for the Digital Twin Project
- Developed a custom solution to incorporate the Virtual Wall/Tags feature by leveraging the Matterport SDK APIs
- Developed Rest APIs using NestJS and Web Components using ReactJS
- Developed a custom solution for generating thumbnails of uploaded images and videos by utilizing S3 and Lambda Trigger functionalities
- Held face-to-face or virtual meetings with clients to discuss their requirements and development needs
- Designed and developed new user interface components
- Worked on migration from Dojo Toolkit to Angular
- Fixed a legacy code bug in one of the UI components
- Wrote Unit Tests of Components
- Developed RESTful APIs for various modules in the internal project Vendian, designed and developed new user interface components, and developed a Bench Report that minimized leadership effort by 90%

SUMMARY

I am a seasoned software professional with a strong focus on front-end development and exceptional problem-solving skills. With a creative approach to coding, I strive to enhance user experiences through innovative solutions. My experience spans various domains, including payment integration and dynamic user interfaces, and I am passionate about ensuring software quality and efficiency

KEY ACHIEVEMENTS



Optimized Data Entry

Increased data entry efficiency by 40% with Forms implementation.



Form field generation

Using Formly make it easy field generation



Improved Leadership Efficiency

Reduced leadership effort by 90% in Vendian project.



Enhanced UI Design

Enhanced UI component design reducing bugs by 25%.



Optimized 3D Tours

Streamlined 3D tour loading process by 30% using SDK.

LANGUAGES

English

Proficient



Urdu

Native



SKILLS

AWS Lambda		DynamoDb		JavaScript	
TypeScript	Figma	MongoDB	NestJS	React	S3
Stripe	Tailwind	WordPress	API Gateway	Angular	NodeJS

INTERESTS



Tech Enthusiast

Enjoys crafting code and sharing knowledge about programming

EXPERIENCE

Freelance Web Developer

Fiverr

📅 05/2019 - 04/2020 📍 Karāchi, Sindh, Pakistan

A freelance platform for offering services in various fields including web development

Software Developer

Zaavia

📅 05/2019 - 06/2022 📍 Karāchi, Sindh, Pakistan

A comprehensive software solutions company

- Designed, developed, and maintained software for Blood Banking Management System focusing on compliance standards
- Developed middleware for dynamic uploading to specific storage service
- Collaborated with teams for generic solutions and conducted feature explanation sessions
- Provided software support and engaged with clients about software flows
- Designed UI for Referral Testing System and integrated APIs while fixing legacy code bugs
- Contributed to UI design and API integration for Team Management System
- Led new features and optimized RESTful APIs with role-based authorization in Document Archival System
- Led feature development and integrated payment modules in ZUNBEEL: Electronic Document Management while collaborating for generic solutions

EDUCATION

Intermediate

Jama Millia College

📅 01/2017 - 12/2020 📍 Karāchi, Sindh, Pakistan