

# MUHAMMAD Moaz Ahmad

Co-founder & CTO @ techBean

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As a Chief Technology Officer (CTO) and seasoned Full Stack Web Developer with over 4 years of experience, I bring a strategic blend of technical depth, DevOps expertise, and product vision. I specialize in building scalable, secure, and high-performance web applications using JavaScript, Express.js, MongoDB, and PostgreSQL, and managing robust cloud infrastructure with AWS and Docker.

On the frontend, I craft seamless user experiences using React, Next.js, and Tailwind CSS, ensuring responsive and intuitive interfaces. Beyond code, I lead cross-functional teams, align technology with business goals, and drive product development from ideation to deployment. My focus lies in delivering maintainable, future-ready solutions and fostering a collaborative engineering culture that accelerates growth and innovation.

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## Education

**COMSATS University Islamabad Lahore, Pakistan**

*Feb 2020 – Jan 2024*

*BSCS -Bachelor's in science in Computer Science*

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## Core Skills

### Frontend Development:

React.js, Next.js, Redux, Vue.js, Angular, JavaScript / TypeScript, HTML5/CSS3, Tailwind CSS, Material UI, Chakra UI, React Native Paper, React Native Backend

### Backend Development:

Node.js, Next.js, Express.js, Nest.js, NPM, Yarn, RESTful APIs, Payment Methods like Stripe, PayPal, 2checkout, User Authentication

### Database Development:

Sequelize, MySQL, PostgreSQL, Redis, NoSQL Databases like CouchDB and Cassandra, MongoDB, SQLite, Mongoose

### Project Management:

Agile Development, JIRA, Asana, Trello, Slack, Microsoft Teams

### Testing:

Debug software tools like Cypress and Jest, Event Sourcing, ESLint, Troubleshooting, PHPUnit Testing, PHPStan (max level), Rector

**Soft Skills:**

Disciplined, Well-Organized, Collaboration Skills, Teamwork, Ability to work independently, Communication Skills

**Programming Languages:**

JavaScript, TypeScript, Python, Java

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**Work Experience****TechBean**

Chief Technology Officer (CTO)

Jan 2025 – Present | Remote | Australia

- Spearheaded the technical vision and architecture for techBean's core products, aligning technology with strategic business goals.
- Led full-stack development initiatives using React, Next.js, Node.js, MongoDB, and AWS, ensuring performance, scalability, and security.
- Oversaw cross-functional engineering teams, facilitating agile workflows, code reviews, and mentoring to drive innovation and productivity.
- Solved complex technical challenges and optimized system performance to support rapid user growth.
- Collaborated closely with founders, stakeholders, and clients to shape product strategy and roadmap.
- Introduced DevOps practices including CI/CD pipelines, Docker, and cloud infrastructure automation.

**Chillibeanmedia**

Technical Team Lead

Mar 2023 – Nov 2024 | Remote | Australia

- Led a cross-functional remote development team in delivering custom digital solutions for clients across various industries.
- Oversaw full project lifecycles—from technical planning and architecture to deployment and maintenance.
- Implemented scalable, maintainable solutions using React, Node.js, MongoDB, and AWS.
- Facilitated agile development processes including sprint planning, daily standups, and code reviews.
- Collaborated with product managers and designers to align tech strategies with business goals.
- Ensured timely delivery of high-quality software while mentoring developers and fostering a culture of innovation and continuous improvement.

## **DEWOLFZ LLC**

Senior Software Engineer

Jan 2022 – Feb 2023 | On-site | Lahore

- Led the development and optimization of scalable web and mobile applications using modern tech stacks.
- Designed and developed full-stack applications with MERN Stack, Vue.js, and AWS, delivering high-performance solutions.
- Architected software systems ensuring scalability, security, and maintainability.
- Developed and optimized RESTful APIs using Node.js, Express.js, and MongoDB for real-time, data-intensive use cases.
- Implemented CI/CD pipelines to automate deployments and improve development workflows.
- Integrated AWS services including Lambda, S3, and EC2 to enhance cloud application capabilities.
- Mentored junior developers, conducted code reviews, and ensured adherence to best practices and high-quality code standards.

## **Ezee Logix**

Full Stack Developer

Nov 2020 – Dec 2021 | On-site | Lahore

- Designed, developed, and deployed scalable web and mobile applications for diverse client needs.
- Built high-performance, robust applications using Vue.js, React Native, Node.js, Express.js, and MongoDB.
- Integrated backend systems with AWS cloud services, ensuring scalability and reliability.
- Participated in end-to-end development cycles, from requirement gathering to production deployment.
- Collaborated closely with designers and product teams to deliver user-friendly solutions.

## **Ezeelogix**

Associate Software Engineer

May 2020 – Oct 2020 | On-site | Lahore

- Contributed to the development of scalable web and mobile applications across various client projects.
- Collaborated with cross-functional teams to improve system functionality, performance, and user experience.
- Utilized JavaScript, Node.js, Vue.js, and MongoDB for full-stack development.
- Ensured efficient deployment and delivery of applications using modern CI/CD practices.
- Participated in code reviews, debugging, and optimization to maintain high code quality standards.

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## Projects

### AI Generated Images - AI-Powered Mobile App for Stunning Visual Creation

#### Description:

AI Generated Images is an advanced AI-powered mobile application designed to enable users to create breathtaking visuals using state-of-the-art machine learning models. Tailored for digital artists, designers, and creatives, this app provides an effortless way to explore and generate AI-powered art.

**Tools:** React Native, Expo, Node.js, AI Models, AWS, Docker, CI/CD Pipelines

#### Features:

- Text to Image: Describe your vision in words, and AI will generate stunning artwork based on your description.
- Voice to Image: Speak your ideas, and the AI will transform them into unique visuals.
- Image Enhancement (Coming Soon): Elevate and refine existing images with advanced AI-powered enhancement tools.
- Save & Share: Securely store your AI-generated images or share them easily across platforms.
- Recent Creations: Keep track of all your generated artworks in one convenient place, allowing quick access to past creations.

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### Easy Bounce – Scalable Email Validation Platform

#### Description:

Easy Bounce is a powerful and intuitive email validation platform designed to enhance email deliverability by cleaning up email lists through advanced validation techniques. Ideal for marketers and developers, the platform reduces bounce rates by ensuring only valid email addresses are used in campaigns. It provides real-time validation results, seamless bulk processing, and a robust dashboard for monitoring and managing validation tasks.

**Tools:** React.js, Node.js, REST APIs, MongoDB, AWS, Docker, CI/CD Pipelines

#### Features:

- Checks if email addresses are real and valid.
  - Handles large lists of emails quickly.
  - Manages user accounts and roles.
  - Tracks real-time processing of email checks.
  - Displays insights and validation results.
  - Connects easily with other platforms using API.
  - Lets admins create and manage promo codes.
  - Controls how often the API can be used.
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## **gvr. – Fundraising Made Effortless**

### **Description**

gvr. is the ultimate online fundraising platform, empowering individuals and organizations to create meaningful impact—quickly and easily. With no fees to start, powerful fundraising tools, and unmatched support, gvr. makes it simple, secure, and effective to raise funds for any cause.

### **Tools**

React.js, Express.js, Node.js, MySQL

### **Features**

- Create and customize fundraising campaigns for any cause
  - Track donations, goals, and campaign performance in real time
  - View and manage donor details and contributions
  - Accept online donations securely with integrated payment gateways
  - Collaborate with team members to boost visibility and reach
  - Generate links to share campaigns across platforms
  - Access real-time assistance and fundraising tips
  - Start fundraising instantly without any upfront costs
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## **SkyTire – Online Tire Marketplace for Smarter Shopping**

### **Description**

SkyTire is an innovative e-commerce platform that transforms the tire shopping experience by allowing users to easily search, compare, and purchase tires based on vehicle type, brand, and budget. Built with performance and usability in mind, it integrates smart filtering, recommendations, and secure checkout.

### **Tools**

MERN Stack, Node.js, Express.js, MongoDB, Vue.js, React.js, AWS, CI/CD, DevOps, API Development, Socket.io

### **Features**

- Advanced tire search and filtering based on vehicle type, brand, and budget
  - Real-time recommendations for better product matching
  - Secure and seamless checkout with payment gateway integration
  - Responsive, mobile-friendly UI with Vue.js and React
  - Optimized backend for high performance and API scalability
  - Full deployment on AWS for security, scalability, and uptime
  - Admin management for inventory, orders, and customer queries
  - CI/CD pipelines for rapid and stable release cycles
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## **ExpressTires – High-Performance eCommerce Platform for Tire Delivery**

### **Description**

ExpressTires is a full-featured eCommerce website built for a modern tire delivery business offering premium all-season, performance, and off-road tires. The platform delivers a fast, intuitive shopping experience with dynamic filtering, expert recommendations, real-time order tracking, and secure checkout.

### **Tools**

MERN Stack, Node.js, Express.js, MongoDB, React.js, Vue.js, AWS, Stripe, CI/CD, DevOps

### **Features**

- Dynamic product filtering by season, type, and performance
- Secure checkout integrated with Stripe
- Real-time order tracking and admin dashboard
- Mobile-first, responsive design for all devices
- Scalable backend architecture and optimized performance
- Admin controls for product and order management
- Seamless user experience from browsing to delivery

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**English Language Proficiency:** Fluent