

# Muhammad Akram

## Full Stack Engineer

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### Summary

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Software Engineer with 4 years of experience building and maintaining full-stack applications using the MERN stack. Skilled in designing RESTful APIs, creating responsive frontends, and deploying scalable applications. Experienced in setting up CI/CD pipelines, managing Docker containers, and deploying services on cloud platforms.

### Professional Experience

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- Full Stack Engineer, Beelogix** 08/2024 – Present  
Lahore
- Developed and maintained 10+ full-stack applications for e-commerce, healthcare, and SaaS clients using the MERN stack.
  - Built reusable React components and improved frontend performance by 27% through code splitting and lazy loading.
  - Implemented RESTful APIs with Express and Node, ensuring data integrity and secure authentication using JWT and OAuth.
  - Integrated third-party tools like Stripe, Twilio, and SendGrid.
  - Deployed applications on AWS and Heroku with CI/CD pipelines using GitHub Actions.
  - Worked with MongoDB Aggregation Framework for building advanced reports and filters.

- MERN Stack Developer, AbizSol** 09/2023 – 08/2024
- Contributed to the development and maintenance of a modular ERP system based on microservices architecture, resulting in improved performance, easier scalability, and streamlined feature deployment.
  - Helped build a Learning Management System (LMS) and a Content Management System (CMS) by improving frontend usability, API integrations, and admin panel features.
  - Worked on a banking application, delivering secure user authentication, transaction modules, and API integrations with third-party financial services.
  - Developed features for an organizational productivity app, including real-time collaboration, task tracking, and user role management.
  - Built and maintained core modules of an e-commerce platform using the MERN stack, including product management, checkout process, and order tracking

### Education

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**Bachelor's in Computer Science, GC University, Lahore**

2018 – 2022

## Skills

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### Frontend

(React.js, Redux, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap)

### Database

(MySQL, Supabase, firebase, MongoDB, Mongoose, PostgreSQL)

### AI & LLM Integration

(OpenAI API, RAG, Semantic Search, Embeddings, LangChain, Vector DBs (Pinecone, ChromaDB), Prompt Engineering)

### Others

(Agile (Scrum), API Integration, CI/CD, System Monitoring)

### Backend

(Node.js, Express.js, REST APIs, JWT, WebSockets)

### DevOps & Cloud

(Docker, AWS (EC2, S3, RDS, CloudWatch), Render, Netlify, Vercel, Heroku, GitHub Actions)

### Version Control & Tools

(Git, GitHub, Postman, ClickUp, Jira)

## Projects

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**Urqa, ERP & Learning Platforms,** URQA offers a modular ERP solution designed for performance and scalability, along with a robust LMS and CMS platform to manage learning content, users, and administrative workflows efficiently.

**MyRep,** MyRep is a scheduling and relationship management platform for medical practices and reps. It simplifies appointment booking, compliance tracking, and communication, helping practices stay organized and reps manage visits more effectively.

**Grantrack - Millennium Strategies,** Grantrack is a web-based grant management platform that helps organizations track grant applications, awards, and compliance. It supports the full grant lifecycle—from discovery to reporting—through an intuitive admin panel.