

Ahmed Pervez

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Islamabad, Pakistan

EDUCATION

Bachelors of Computer Science

Bahira University Islamabad

EXPERIENCE

Senior Software Engineer, VQode

Aug 2024 - Present

- Spearheaded full-stack application development using Next.js, React, and Node.js.
- Managed end-to-end database architecture and optimization.
- Led the design and implementation of scalable web solutions.
- Collaborated cross-functionally to enhance application performance and user experience.

FullStack Developer, Virtury Cloud

Aug 2023 - May 2024

- Developed and launched the company's new website with a full-stack approach, utilizing Next.js, React, and PostgreSQL.
 - Streamlined database workflows with TablePlus and ensured robust API functionality.
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PROJECTS

KUPI

- Developed KUPI, a comprehensive dashboard for a bus ticket company, enabling ticket purchasing, route management, and sales/ticket tracking using Next.js, Prisma, and Tailwind CSS.
- Engineered key features for KUPI, including ticket purchasing, route administration, and real-time sales/ticket monitoring, to optimize operations for a bus ticketing business.

KUPI Chatbot

- Led the end-to-end creation of KUPI Whatsapp Chatbot an AI-driven chatbot using Node.js and OpenAI, to automate ticket inquiries, facilitate bookings, and provide customer support for a bus ticketing company, integrating Twilio for user communication and deploying via the Serverless Framework on AWS.

SkillSprint

- Co-founded and developed SkillSprint, a career guidance platform with interactive computer science roadmaps.
- Implemented a career suggestion tool using a random forest classifier for data-driven recommendations.
- Built the frontend with Next.js 14 and TypeScript, featuring interactive visualizations.

Strategeaze

- Developed comprehensive field service management platform with advanced job scheduling and routes
- Built real-time scheduling system with Google Maps integration and automated route calculation algorithms
- Implemented role-based access control, invoice/payroll management, and comprehensive dashboard analytics
- Integrated AWS S3 for document storage and real-time notifications via WebSockets for instant updates

Bayt Organic E-commerce

- Independently designed and built an ecommerce fullstack platform for organic products, implementing features such as user authentication, admin dashboard, and integration with Azure Blob Storage for image handling.

Pokemon PvP

- Engineered and launched a web-based Pokémon PvP game from scratch, implementing real-time battles (Socket.IO), data persistence (MongoDB), and a retro-inspired Next.js frontend.

FullStack Ecommerce Store

- A scalable e-commerce application built using Next.js 13 with integrated routing using React, Prisma, Nextjs, MySQL, Tailwind.

AI SaaS

- Created a AI SaaS web application with capability of generating text, images, music, and videos through AI.

SKILLS

Front-end Development

React, Next.js, Vue, Vite, TypeScript, JavaScript, React Native, TailwindCSS, Framer Motion, Shadcn UI, Material UI

Back-end Development

Node.js, Nest.js, Express.js, Python, Django, FastAPI, REST APIs, GraphQL, WebSockets, Socket.IO

AI & Machine Learning

AI & Machine Learning OpenAI API, LangChain, Scikit-learn, Pandas, NumPy, TensorFlow, Natural Language Processing (NLP), AI Integration, Chatbot Development, Prompt Engineering

Cloud & DevOps

AWS (Lambda, S3, EC2), Azure, Docker, Serverless Framework, Vercel, Netlify, CI/CD, Git, GitHub Actions

Databases & Storage

PostgreSQL, MySQL, MongoDB, Prisma ORM, Azure Blob Storage, Redis, Supabase

Blockchain

Solidity, Rust, ether.js, Hardhat

CERTIFICATIONS

Web Development Bootcamp, Udemy

Ethereum Development Bootcamp, Alchemy University

Solana Development Bootcamp, Udemy