MUHAMMAD UZAIR

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Results-driven Backend Engineer with over 4 years of experience specializing in backend development and serverless architectures. Successfully led the development of Pakistan's first e-identity application and a job portal with an ATS system that reduced hiring time by 40%. Designed and implemented an inventory management application that boosted sales by 20%. Achieved a significant reduction in API latency from 9 seconds to 1 second, enhancing user experience and system efficiency. Proficient in AWS, Node.js, and Python, with a proven track record of delivering scalable and efficient backend solutions.

WORK EXPERIENCE

Senior Backend Engineer   **Nov 2024 - Present**
Ziel Global   **Pakistan**
- Manage and enhance the Digistaff platform, focusing on scheduling, payroll, and analytics features to optimize operational efficiency.
- Implement AI-driven solutions to automate processes and improve decision-making capabilities.
- Develop and enforce strict hardware-based access control measures, ensuring robust data security and compliance.
- Lead initiatives to streamline internal processes, resulting in improved team productivity and reduced operational bottlenecks. digistaff.ca
- Mentor and train junior developers, fostering skill development and promoting best practices within the team

Backend Engineer   **Oct 2021 - Present**
Productbox   **Islamabad, Pakistan**
- Automated OCR process replaces manual data reading, achieving 100% accuracy and reducing processing time by 99%, decreasing the average processing time from several minutes to only a few seconds.
- Automated web scraping for data extraction, replacing manual customer support and achieving a 100% increase in document retrieval efficiency.
- Reduced API latency from 9 seconds to 1 second, enhancing end-user experience and increasing system responsiveness by 90%.
- Introduced AWS DAX caching system, boosting performance by 10 times and reducing response times from milliseconds to microseconds.
- Optimized tool usage, reducing monthly costs by over 60% and saving the company hundreds of dollars.
- Migrated multiple services and databases from AWS Lambda and DynamoDB to open-source tools, ensuring compliance
with GDPR and SECP regulations.
- Improved code quality by achieving 40% test coverage through unit tests and following clean architecture to increase code modularity and maintainability.

Junior Backend Engineer   **Jun 2021 - Oct 2021**
Productbox   **Islamabad, Pakistan**
- Created an inventory management system to eliminate manual paper-based tracking and updates, resulting in a 30% improvement in inventory fulfilment.
- Facilitated insights and analytics from inventory and order data, resulting in a 20% increase in sales strategy effectiveness.
- Wrote unit tests, achieving 60% test coverage and enhancing overall code reliability by reducing bugs by 30%.
- Built & Release a job portal to streamline the recruitment and application processing system, achieving a 40% reduction in application processing time.
- Contributed to a peer-to-peer money committee platform that facilitated the distribution of loans, resulting in a 5% increase in member participation.

Freelance Developer   **Mar 2021 - Jun 2021**
Fiverr   **Remote**
- Implemented a custom E-commerce solution for handmade product sellers, leveraging Node.js, MongoDB and AWS.
- Designed a scalable backend that improved performance by 30% for high traffic, integrating multi-currency support to enhance user experience.
- Built a comprehensive administrative dashboard for inventory, order management, and sales tracking, resulting in a 30% increase in operational efficiency and a 20% growth in market presence.

PROJECTS

DigiStaff ⬀
- Engineered and maintained a scalable staffing platform serving over 19,000 users across North America.
- Developed and optimized real-time scheduling and shift management systems, enhancing operational efficiency.
- Integrated advanced time and attendance tracking features, including facial recognition and geo-fencing, ensuring accurate workforce monitoring.
- Implemented automated payroll and billing modules, streamlining financial processes and reducing administrative overhead.
- Built and enhanced applicant tracking and client management tools, improving recruitment and client relationship management.
- Developed comprehensive analytics and reporting dashboards, providing actionable insights for decision-making.
- Engineered secure hardware-enforced access control systems, safeguarding sensitive employee data.
- Integrated AI-powered resume processing capabilities, automating candidate screening and improving hiring efficiency.

Lettus Kitchens ⬀
- Developed and maintained a multi-city cloud kitchen platform, enhancing scalability and operational efficiency across Islamabad, Rawalpindi, and Lahore.

- Implemented a direct online ordering system, reducing dependency on third-party aggregators and improving customer engagement.
- Designed and optimized backend services for real-time order processing and fleet management, ensuring timely deliveries.
- Collaborated with cross-functional teams to integrate analytics tools, providing actionable insights for business growth.

meraID [↗]

- Developed Pakistan's 1st e-identity mobile application that represents your identity in a digital form as an electronic identity (e-ID).
- Enables passwordless authentication for users to electronically authenticate themselves to 10+ supported services, authorise transactions and sign documents digitally.
- Secure platform with E2E encryption (RSA-2048 + AES 256), leverage 4 different authentication mechanism including pin, biometric, face recognition and liveness.

Missing Person Finder [↗]

- Crafted AI-powered platform with face recognition, enabling quick searches and awareness sharing via Facebook, expanding reach to a broader network.
- Increased platform engagement, potentially reducing missing person response times by up to 40%, accelerating identification and recovery.

JobApp [↗]

- Developed a SaaS-based recruitment platform that streamlined hiring processes for organizations. Implemented customizable hiring pipelines and automated workflows, improving efficiency and ensuring transparency.
- Enabled faster candidate processing, potentially reducing time-to-hire by 30%, and enhanced recruitment accuracy, helping organizations meet specific hiring needs and improve decision-making.

Monster-Pool [↗]

- Engineered a peer-to-peer lending platform enabling interest-free loans among trusted groups, enhancing community financial accessibility.Apple
- Developed secure digital wallet feature, facilitating seamless transactions and financial management.

EDUCATION

Bachelor of Computer Science	**Aug 2017 - Apr 2021**
University of Peshawar	**GPA:** 3.78/4.0

    Key Focus: Software Engineering, Programming, Data Structures & Algorithms

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

Full Stack Engineer	**Sep 2020 - Mar 2021**
University of Peshawar	**Peshawar, Pakistan**

    Created Missing Person Finder, an open source project that utilized face recognition technology to assist users in locating missing loved ones, while integrating with Facebook to amplify outreach by 75%.

    Engineered a digital solution that streamlined the process of locating missing persons, reducing search time by 30%.

SKILLS

Databases: MySQ, MongoDB, DynamoDB, ScyllaDB, Cassandra, Firestore, PostgreSQL (Aurora), Weaviate (vector database)

Cloud: AWS EC2, Lambda, RDS, S3, VPC, Google Cloud Functions, Firebase, Docker, Microservices, AppSync, SQS, SNS, SES, GCP

Tech Stack: TypeScript, JavaScript, Serverless Architecture, Service Oriented Architecture, Microservices, Event Driven Systems, AWS, NodeJS, Express, NestJS, Python, Mongoose, Sequelize, Generative AI, GraphQL, REST API, Web Scrapping (puppeteer), Clean Architecture

LANGUAGES

Urdu (Native proficiency) • **Pashto** (Native proficiency) • **English** (Full professional proficiency) • **German** (Elementary proficiency)