

# MUHAMMAD UZAIR

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Backend Engineer with 4 years of experience in backend development and strong expertise in serverless architectures. Built Pakistan's first e-identity app, developed a job portal & ATS system reducing hiring time by 40%, and an inventory management app that increased sales by 20%. Reduced API latency from 9s to 1s. Proficient in AWS, Node.js, and Python.

## WORK EXPERIENCE

### 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 fulfillment.
- 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

### Lettus Kitchens [↗](#)

- Engineered inventory tracking, sales management platform for cloud kitchens in 3 cities and hundreds of kitchen crew members.

### merald [↗](#)

- 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 [↗](#)

- Contributed to a peer-to-peer payment platform with wallet and banking features, enabling interest-free loans between friends and improving lending accessibility within communities.

EDUCATION

<b>Bachelor of Computer Science</b>	<b>Aug 2017 - Apr 2021</b>
University of Peshawar	<b>GPA: 3.78/4.0</b>
Key Focus: Software Engineering, Programming, Data Structures & Algorithms	

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

<b>Full Stack Engineer</b>	<b>Sep 2020 - Mar 2021</b>
<b>University of Peshawar</b>	<b>Peshawar, Pakistan</b>
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

<b>Databases:</b> MySQL, MongoDB, DynamoDB, ScyllaDB, Cassandra, Firestore
<b>Cloud:</b> AWS EC2, Lambda, RDS, S3, VPC, Google Cloud Functions, Firebase, Docker
<b>Tech Stack:</b> JavaScript, Serverless, MongoDB, DynamoDB, Lambda, AWS, Firebase, MySQL, ORMs, Cassandra, ScyllaDB, SQS, NodeJS, Expres, NestJS, TypeScript, Python, Mongoose, Sequelize, Generative AI

LANGUAGES

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