

# Zamir Rogger Lizardo Mejia

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## Education

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**University of Engineering and Technology (UTEC)**, Lima, Peru

*Bachelor's in Computer Science*, 2023 - Present

Top 10% of class

Relevant courses: Algorithms and Data Structures, Linear Algebra, Cloud Computing, Software Development, Statistics and Probability, Databases, Object-Oriented Programming.

## Programming Languages

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- Python, Java, C++, JavaScript, TypeScript, HTML, CSS
- Frameworks: React, Node.js, Django, Spring, Flask
- Databases: MongoDB, MySQL, PostgreSQL, DynamoDB
- Tools and Technologies: Git, Docker, Kubernetes, AWS Lambda, API Gateway, AWS Glue, AWS Athena

## Key Projects

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### Traveler and Host Communication Platform

Developed a web and mobile platform to connect travelers and hosts, enabling recommendations, accommodation bookings, and real-time communication. Utilized microservices with Docker, backend in Java (Spring) and Java Script (Node.js), PostgreSQL, MySQL, and MongoDB databases, and deployed on AWS. The web app was built using Typescript and React, and the mobile app with Typescript and React Native.

### Backend for Online Shopping System

Implemented the backend of an online shopping system using Python (Django, Flask), Node.js (Express), and Java (Spring), based on microservices and an orchestrated API. Deployed the system using Docker and AWS, ensuring scalability and maintainability. Additionally, performed data ingestion with Python and Docker containers in AWS, leveraging Glue for integration and processing.

### Multi-Tenant Music Provider System

Developed a multi-tenant system for a music provider using AWS Lambda for serverless execution and scalable architecture. Implemented data ingestion and processing pipelines with ETL containers in AWS, and visualized data in Looker for analytics. The entire system was designed to ensure efficiency and scalability in a cloud-based environment.

## Professional Experience

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### Volunteer at Artificio AI

May 2024 - August 2024

Labeled and processed data using Python for a vehicle recognition model challenge, improving model accuracy through preprocessing and data cleaning techniques.

**Advanced Programming Instructor**, University of Engineering and Technology (UTEC), Lima, Peru

March 2023 - December 2023

Taught advanced programming to over 20 students, covering topics such as templates, concurrency, heaps, DFS, and BFS. Designed materials and practical exercises to help students grasp complex concepts and apply them in projects.

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## Skills

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- English (B2 Level – capable of maintaining technical conversations and writing documentation in English)