

Martins Ejike

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Professional Profile

Technology professional with experience developing AI powered applications, automation platforms, and backend systems. Skilled in Python, JavaScript, SQL, REST APIs, and Large Language Models, with experience building AI powered solutions, integrating enterprise systems, and solving business problems through automation. Passionate about Generative AI, intelligent software systems, and applying AI to improve productivity and business outcomes.

Technical Skills

- **Programming Languages:** Python, JavaScript, SQL, C#, Java
- **Artificial Intelligence & Machine Learning:** Large Language Models, Prompt Engineering, OpenAI API Integration, Generative AI, AI Automation, Workflow Automation, Machine Learning, Data Analysis
- **Software Engineering:** REST APIs, API Integration, Backend Development, Webhooks, Object Oriented Programming, Testing, Debugging, Agile Development
- **Cloud & Platforms:** Microsoft Azure, AWS, Docker
- **Databases:** SQL Server, PostgreSQL, MySQL, Oracle
- **Tools:** Git, GitHub, Jira, Confluence, Postman, VS Code, PyCharm
- **Business Skills:** Problem Solving, Stakeholder Management, Requirements Gathering, Technical Documentation

Relevant Work Experience

Irish Life, Dublin

Software Engineer Intern | Jan 2023 – Sep 2023

- Developed and enhanced internal ASP.NET web applications using C#, JavaScript, and SQL Server.
- Performed large scale data reconciliation, validation, transformation, and migration activities between Oracle and SQL Server databases, achieving 98% data accuracy and reducing duplicate records by 99%.
- Designed SQL queries to identify missing values, validate row counts, and ensure consistency across multiple business critical datasets.
- Automated customer communication workflows by generating personalised documents and emails from database driven templates, improving processing efficiency by 42%.
- Developed integrations between Oracle and SQL Server systems to support reliable data migration and business operations.
- Collaborated within an Agile development team to analyse requirements, develop and test software features, troubleshoot issues, prepare technical documentation,

and deliver reliable technology solutions while working closely with technical and business stakeholders.

Dublin City University, Dublin

Student Activator (Operations & Digital Transformation) | Sep 2022 – Jan 2023

- Coordinated operations for a 500 plus user organisation, managing scheduling, reporting, and stakeholder communications.
- Implemented digital workflows that increased participation from 250 to over 500 users.

Projects

DevForge | Python, OpenAI API

- Designed and developed an AI powered automation platform that streamlined developer workflows across Windows, macOS, and Linux.
- Reduced environment setup time from 40 minutes to 2 minutes through workflow automation.
- Integrated OpenAI APIs to automate repetitive processes through natural language interactions.
- Built Python automation services using subprocess and operating system interactions.

GradNav | Django REST, Python, SQL, OpenAI GPT-4, Google APIs

- Led the development of an AI powered career guidance platform serving 1,000+ students.
- Built backend services using Django REST Framework, Python, SQL, OpenAI GPT 4, and Google APIs.
- Integrated OpenAI GPT 4 and Google APIs to generate personalised recommendations for users.
- Worked closely with users to gather requirements and continuously improve the platform through user feedback.

Google Hackathon Winner | OpenAI API, AI

- Led a team of five to win the Engineer's Choice Award by building an AI powered language learning application in 48 hours.
- Developed AI powered text to speech functionality for low resource African languages using OpenAI technologies.

Education & Professional Qualifications

- **University College Dublin** – MSc Computer Science (Artificial Intelligence) | Dec 2025 | GPA: 3.63
- **Dublin City University** – BSc Enterprise Computing | Oct 2024 | GPA: 3.80