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🔗 Portfolio | 🔗 LinkedIn

Professional Summary

Security-conscious Full-Stack Software Engineer with 4+ years of experience building scalable, modular systems across backend, frontend, and infrastructure layers. Proficient in Python, JavaScript, and SQL, with deep practical experience in API architecture, secure system design, and multi-server configuration (Nginx, Gunicorn, IIS). Proven ability to own features end-to-end — from stakeholder communication and architecture to production deployment and maintenance.

Recently architected and deployed a modular, real-time data pipeline with OTP authentication, access controls, and webhook orchestration. Strong advocate of agile methodologies, CI/CD automation, and defense-in-depth principles.

Technical Skills

- **Languages**: Python, JavaScript (ES6+), SQL, Bash

- **Frameworks**: Flask, Django, React, Node.js

- **DevOps & Servers**: Docker, Nginx, Gunicorn, IIS, Jenkins, GitHub Actions

- **Databases**: PostgreSQL, MySQL, MongoDB, SQLite

- **Security**: OTP auth systems, CSRF/OAuth handling, secure API token verification, sandboxing

- **Workflow Tools**: Agile, Jira, Git, Power Automate

- **Testing**: pytest, unittest, Integration Testing, Jest

- **Mobile Tools**: Kivy, KivyMD

Professional Experience

Software Developer
MCR Group — Dublin, Ireland
Jul 2024 — Present

- Sole developer tasked with unifying operations across legacy and third-party tools via a centralized platform.

- Designed platform architecture using Python, Flask, and Celery with a Mediator Pattern.

- Engineered multi-user, modular system with:

  - Thread-safe background jobs, Redis caching, and secure message routing

  - Credential encryption, OTP login, and fallbacks for fault tolerance

  - REST/SOAP API orchestration and internal messaging systems

- Integrated APIs (email, SMS, SharePoint, webhooks) and automated workflows (Slack, Teams, Power Automate).

- Emphasized security and reliability using hashing, schema validation, and encryption standards.

Quality Analyst & Software Developer
Accenture — Dublin, Ireland
Jul 2023 — Jul 2024

- Developed internal tracking and analytics tools using JavaScript, HTML, CSS, and Google AppScript.

- Created SQL dashboards and automation scripts that reduced manual reporting by over 50%.

- Delivered tools that triggered auto-reminders and improved management visibility into global operations.

New Associate – Software Support & Automation
Accenture – Dublin, Ireland
Mar 2022 – Jul 2023

- Built JS/AppScript automations to streamline internal case flows.

- Became Subject Matter Expert for client policies and automation practices.

- Coordinated across units to resolve technical and procedural issues.

Freelance Full-Stack Developer
Remote – Aug 2021 to Present

- Delivered custom Flask + React web apps for SMEs.

- Developed data scraping bots, dashboards, and process automations.

- Built secure client portals with real-time notifications and messaging.

- Created mobile apps using Kivy and desktop GUIs with Python.

Select Projects

- **Internal Workflow Hub**: Flask-based platform with modular views, Slack/Teams integration, and OTP login.

- **SuperPy Admin Tool**: CLI & GUI tool for batch filtering/reporting of structured data files.

- **Flask Community Platform**: Secure role-based social + commerce system with REST APIs.

- **RentBot (Selenium)**: Real estate tracking bot with automated reply system.

- **Recycling Assistant (Kivy)**: Barcode-scanning ML app to guide eco-friendly decisions in real time.

Education

Winc Academy — Full-Stack Developer Bootcamp
2021 – 2022
Topics: Flask, React, REST APIs, Agile, GitHub Actions, DevOps

Escola Secundária da Maia — High School Diploma (Comp Sci Focus)
2002 – 2006

Certifications

- **Salesforce Developer Training** *(Expected 2025)*

- **Cisco IT Essentials** (2021)

- **Google Cloud Platform – Certified**