LUKE MCGARVEY
SENIOR SOFTWARE DEVELOPER
+44 7341260401 | luke.trko@proton.me

Senior Software Engineer with 7+ years of experience designing, building, and operating **enterprise-scale distributed systems**. Strong background in **object-oriented development** using Python, Java, and Go, with experience delivering **high-availability backend services**, APIs, and data-driven applications. Proven track record in **system design, mentoring engineers, and collaborating with product and domain experts** to solve complex problems. Enjoys working in technically rigorous environments and rapidly learning new domains.

WORK EXPERIENCE

Senior Software Engineer | Mendix | Aug 2024 - Current

- **Designed and implemented backend services** supporting thousands of enterprise clients, focusing on scalable, maintainable architectures and clean object-oriented design.
- Owned features end-to-end, from **technical design and implementation to testing, deployment, and production support**.
- Led **code reviews and design discussions**, promoting best practices around reliability, testing, and long-term maintainability.
- **Reduced average security finding resolution time from ~1 year to 1 week** by introducing clearer ownership, prioritization, and remediation workflows.
- **Mentored and coached junior engineers**, accelerating onboarding and increasing team autonomy and delivery confidence.
- Collaborated closely with Product Managers and Engineering Leads to **translate business requirements into technical designs**, breaking large initiatives into incremental, deliverable components.

Software Engineer | Deloitte | Sep 2018 - Jun 2024

- **Full-Stack Development:** Delivered robust software solutions across the stack, including native, web, and backend services using various technologies.
- **DevOps & Infrastructure:** Gained hands-on experience with Azure cloud services and data technologies, building a foundational understanding of scalable cloud infrastructure applicable to AWS.
- **Agile Collaboration & Communication:** Effectively collaborated in an agile environment, actively participating in ceremonies and developing public speaking skills through regular presentations to stakeholders.

SKILLS

- Python
- Java
- Go
- JavaScript
- RESTful APIs
- SQL
- Modular design
- CI/CD
- .NET
- Terraform
- AWS/Azure
- Automated testing

EDUCATION

University of Ulster (2018 - 2022)

BSc Business Technology - First class honours

PERSONAL PROJECTS

Discord bot (Python, Flask, SQL)

Python/Flask API with MySQL backend; supports authenticated CRUD operations via Discord commands and a web UI. Enforced development best practices with requirements on automated testing and RESTful principles.