Harvey Mackie

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Profile

- Software Engineer with over 5 years of experience, specializing delivering scalable microservice architectures.
- Passionate about event-driven architecture and experienced with Kubernetes, I focus on designing solutions that are reliable and highly available.
- Committed to mentoring engineers, driving continuous improvement, fostering a culture of collaboration, and implementing cutting-edge technologies to deliver impactful business solutions.

Experience

Lloyds Banking Group, Software Engineer

Edinburgh, Scotland
Dec 2022 – present

- Technical lead for Cash & SEPA team, ensuring successful delivery of key banking products.
- Architected the Travel Services solution, migrating from legacy systems to microservices, enhancing scalability and reliability.
- Implemented Drools to streamline business logic, improving decision-making processes.
- Delivered and continue to support the SEPA Payment System, enhancing transaction compliance and reliability across Europe, impacting thousands of daily transactions.
- Awarded "2023 Top Colleague Award" for high performance and excellence in project delivery.
- Implemented circuit breakers to manage API traffic during outages, boosting system stability.
- Mentor a junior engineer, providing ongoing technical guidance and fostering professional development within the company.

Clearsky Logic, Software Engineer

Edinburgh, Scotland
Jan 2021 – Dec 2022

- Developed several web applications using C#, .NET Core, React and SQL Server.
- Enhanced software integration and delivery by creating CI and CD environments via Azure DevOps.
- Lead and successfully delivered the development phase of two client projects with a small team
- Resolved security vulnerabilities on client's API by implementing policy-based authorization to restrict access of certain processes to specific users.

Clear Amber, Software Engineer

Perth, Scotland
Apr 2019 – Apr 2020

- Architected and implemented the system design for the client facing API gateway.
- Performed code reviews on developers commits before integrating with the main system, focused on ensuring excellent code quality.

Perth & Kinross Council, Database Developer Intern

Perth, Scotland
June 2018 – Sept 2018

- Developed and implemented standard operating procedures to bridge data gaps and resolve related issues.
- Updated the existing infrastructure to allow for detailed filtering and searching of public transport data via stored procedures.

Education

BSc(Hons)   **Abertay University**, Computing   Sept 2017 – June 2020
- GPA - 4.35/4.5
- Member of the Computer Programming Society.
- First team player for the University Football Team; Achieved University Player of the Year 2018.

HNC   **University of the Highlands and Islands**, Computer Science   Sept 2016 – June 2017
- GPA - 4.0/4.0

Personal Achievements

- Awarded "2023 Top Collegue Award" by Lloyds Banking Group for high performance culture.
- Won the European Business Model Competition and competed in the finals in Stuttgart, Germany.
- Completed a marathon with a personal best time of 2 hours 47 minutes.
- Completed Ironman Italy in 9 hours 51 minutes.
- Twice won the Scottish Championship Middle Distance Triathlon in the 20-24 and 25-29 age groups.

Technologies

Languages: Java, C#, SQL, JavaScript

Frameworks & Tools: Spring Boot, .NET Core, React, Drools

Cloud & DevOps: Kubernetes, OpenShift (OCP), Docker, Azure DevOps, CI/CD pipelines

Architectures: Microservices, Event-Driven Architecture, Kafka, API Gateway

Infrastructure & Performance: Circuit Breakers, Caching (e.g., Redis), Load Balancing