

# Jamie Muir

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## EXPERIENCE

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### Sureserve

Jan. 2022 - Present

#### Lead Software Developer

Bathgate, West Lothian

- Lead Software Developer responsible for architecture, engineering standards, mentoring, and delivery
- Designed and implemented works-management systems to replace legacy systems across 4 companies
- Progressed from software developer in a 4-person development team to lead software developer in an 11-person agile team
- Architected and delivered the initial Java/Quarkus/React/TypeScript applications, establishing the patterns and standards now used across the development team
- Mentored and onboarded new engineers, introducing coding standards, documentation, and review processes that improved consistency across the team
- Implemented CI/CD pipelines and automated deployment workflows to support agile/GitHub flow methodologies, enabling on average 4-6 deployments per day
- Collaborated directly with business stakeholders to gather requirements, refine priorities, and translate business objectives into technical solutions

## PROJECTS

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### Energy-services management platform

- Supports ~700 office & field users across 4 companies, enabling cooperation between distinct business units
- Encapsulates full process from survey to claims & compliance. Features property-based works management, booking & scheduling jobs, app-based data-collection flows, financial reporting & form generation.
- Supports business operations in energy-efficiency industry with 15+ k8s microservices (Quarkus, NodeJS), multiple frontend applications including web apps & Android app
- Initially developed under a single subsidiary, now adopted by group and in process of being adopted by full energy services division

### Field-based data collection progressive web app

- Offline-capable field-based data collection app to improve subcontractor submissions, used for over 10,000 jobs to date
- Uses IndexedDB APIs & caching to achieve offline functionality
- Fully-featured data collection elements for all response types including images & signatures
- React-based DSL for creating forms with support for repeated sections & conditional flows

### CICD & DevOps

- Implemented CICD pipelines for all major services, enabling ~90 production deployments per month
- Supported agile ways of working by removing friction from deployment, resulting in extremely responsive development cycles
- De-risked deployments by implementing PR-quality gating, development & engineering guard rails & feature flags

### Migration to cloud-based warehousing & analytics

- Implemented data platform using Fivetran, dbt, and Snowflake, enabling all analytical workloads to be moved from OLTP databases
- Designed and implemented a structured transformation architecture using staging, dimension, fact, and report tables, creating reusable business logic and improving consistency across reports

## EDUCATION

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**Heriot Watt University**

*BSc. Computer Science, first-class.*

2016 - 2020

Edinburgh

## SKILLS

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**Languages:** Java, TypeScript, SQL

**Frameworks/libraries:** Quarkus, JUnit, React, React Query, Vitest, Material UI

**Infrastructure:** Docker, Kubernetes, Linux

**Data:** MariaDB, Snowflake, DBT, Fivetran

**Tooling:** git, Jira, AzureDevOps, OpenAPI, Claude Code

## OTHER EXPERIENCE

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**Royal Mail**

*Postman*

July 2021 - December 2021

Tranent, East Lothian

**B&Q**

*Customer Advisor (P/T)*

June 2019 - July 2021

Newcraighall, Edinburgh

## INTERESTS

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Rugby, running, reading, typing.