

Kieran Bardwell

Senior Software Engineer
linkedin.com/in/bardwelltk
github.com/bard-regard
Bardwell97@outlook.com
07710975666

A Senior Full-Stack Engineer with 4 years of experience, designing software, systems, and leading teams.

Languages

Java | Go | Python | C++ | React | Svelte | TypeScript / JavaScript | Node | Bash

Technologies

Kafka | Elasticsearch | AWS (S3, EC2, EBS, ElastiCache) | Docker | Git | SQL | OTEL | Kubernetes

Skills

Technical Leadership | Systems Design | Conflict Resolution | Cross-team Coordination

Work Experience

Senior Software Engineer Oracle Sep 2023 - Oct 2024

- Led the migration of **40+** legacy microservices from AWS to OCI, ensuring zero downtime.
- Standardized CI/CD workflows across projects, reducing maintenance time.
- Architected a **polyglot persistence** design in Java, reducing query latency from 20s to **100ms** (200x).
- Optimized core database schema, reducing CPU, memory, and disk I/O by **90%**.
- Designed a distributed event-driven data-sync system using **Kafka**, improving data consistency.
- Mentored engineers on distributed system architectures and design patterns.

Software Engineer Oracle Aug 2021 - Sep 2023

- Enabled cloud provider hot-swapping in Go with **Strategy Pattern**.
- Solved high service latency, remediating bottlenecks in **1 GB/s** traffic with Worker pattern.
- Used layered design patterns to ensure simple and consistent design of React Components.
- Led UI development across organisation using React and TypeScript.
- Mentored engineers on modern front-end development, guiding them through responsive design principles, and command line tools.

Data Analyst (Temp) Amazon (Prime Air) Jul 2019 - Apr 2020

**Volunteered 8 additional hours per day with the Software Team for free experience*

- Replaced 1hr video pipeline, with a Python script saving each person **3 hours per day**.
- Architected a distributed media cache eliminating 30Gbps bandwidth bottleneck.
- Swapped video review tools saving **75,000 hours annually**.
- Contributed in technical discussions with Engineers and Management.

Education

BEng (Hons) Computer Science Anglia Ruskin University Sep 2021