Kyle Milner

Software Engineer (Backend)

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About

I am a passionate, highly motivated Software Engineer who likes to write self-documenting, clean code. A self-starter who loves to learn, I have a broad range of skills with specific focus around the Java ecosystem. I'll never stop asking why things are done and how they can be made better. I am looking for a team who share my enthusiasm for quality, who aren't afraid to move fast and break things and, most importantly, enjoy what they do.

Work Experience

IBM i2

Analysis Web Client, Backend Software Engineer

2014 - 2016

i2 AWC is an Intelligence Analysis, Discovery & Visualisation J2EE powered web application. Main responsibilities include design and implementation of data discovery and retreival features at both the Application and Persistance layers - primarily developing in Java 8 & SQL. Working in a Kanban Agile team with 2 week sprint cadence I am responsible for building client-facing RESTful APIs for search & discovery services against a Big Data repository and the Data Access Layer interfaces required to support them. Other responsibilities include mentoring junior developers, collaborating closely with cross-site front end development teams and acting as technical contact for non-technical team members.

- Designed and Implemented an asyncronous REST API for Search
- Transitioned application services to using a new underlying datasource with zero downtime or test regressions
- Lead a full optimization-focused rewrite of Data Retreival Service (DAO & SQL layers) to unblock a product release - measurable 10x performance after rework
- Introduced templated generation of Database DDL for deployment pipeline
- Independently produced a proof of concept for auto generation of external datasource plugins which was productised and shipped
- Promoted in year one

IBM CICS

Developer, CICS Explorer

2013 - 2014

CICS Explorer is a desktop Eclipse-based management console for the Mainframe application server CICS. Developer responsibilities included supporting released product versions, new feature design and implementation. Developing in Java 7 in a Scrum Agile team I was primarily focused on adding improvements to existing features and filling capability gaps to a similar legacy web console. Development required UI design & working with mainframe XML based web services. Also became owner of the SDK plugin for deploying web applications to CICS.

- Presented at UK customer & partner conference
- Early promotion from Graduate Scheme
- Owned SDK plugin for IBM Liberty on CICS
- Introduced new feature-rich Manifest Editor which was later adopted as the default editor by the wider IBM zOS-Eclipse tools ecosystem

IBM CICS

Graduate Software Engineer, CICS Explorer

2012 - 2013

Responsibilities included maintenence of existing FV test suites & creation of automated regression tests for new product features working in line with development team. Primarily working in Java with Junit and IBM regression test tooling.

- Owner of various product area test suites as a graduate
- Provided defect fixes to development team in every release, as a tester
- Wrote an extensible test result reporting web app used across CICS department
- Produced test team onboarding education used by CICS teams worldwide

Education

University Of Sheffied

Artificial Intelligence & Computer Science , BSc(Hons) First Class

2009 - 2012

Publications

Automatic Call Handling during Active Conversation
Patent Pending
2015

Skills

- Technical
  - Java/J2EE
  - SQL (DB2)
  - Front & Backend API Design
  - TDD/BDD
  - Software Design Patterns
  - CI - Jenkins, Gradle
  - Source Control - Git, Rational Team Concert
  - HTML/CSS/JS (comfortable)
  - Swift (learning)
  - Spring/Spring Boot (learning)

- Non-Technical
  - Problem Solving
  - Agile Methodologies - Scrum & Kanban
  - Pair Programming
  - Technical Communication
  - Code review
  - Problem Solving
  - Presenting