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Summary

A Lead Product Developer and Development Team Lead with experience in bringing best practices, elegant code, technical solutions, and process improvement to enterprise product development on Java Spring stacks as well as the Salesforce platform.

Education

Lancaster University, England, United Kingdom
Bachelor of Science 2:1 in Computer Science Innovation, August 2013

Technical Skills

Java Spring, Hibernate, Ant, Gradle, TestNG, Mockito
Databases MySQL, PostgreSQL
Hosting Apache, nginx, lighttpd, AWS (EC2 & S3), linux/bash

Tools Git, SVN, IntelliJ, JIRA, Jenkins
Other Python, Erlang, Elixir, C
Salesforce Apex, Lightning, SOQL, fflib

Professional Experience

Traction on Demand - Lead Product Developer

September 2017 to Present

Technical

- Introduced a new hardware integration with our existing payment processor partners to enable customers to take card payments via hardware devices connected to the Salesforce platform.
- Iteratively refactoring & rearchitecting existing product design in a more generic and extensible way so that integration with new payment processors becomes less expensive.
- Building out new core services, interfaces, and mock implementations to enable clients to carry out integration testing on platform without access to the source.

Leadership

- Working with product managers to determine a feasible product roadmap with given resources.
- Creating and managing sprints for a team of three engineers coinciding with a regular biweekly release to customers.
- Directing the implementation of new features and bug fixes by architecting generic and extensible solutions to be implemented by the team.
- Mentoring potential leaders to collaborate with their peers through pair programming, lunch n' learns, and knowledge transfer sessions.

Traction on Demand - Senior Developer

February 2017 to September 2017

Technical

- Architected and implemented business critical functionality on platform to allow customers to setup, administer, deep clone and manipulate the Product's Program and Courses data model in a quarter of the time originally estimated by designing & building reusable extensible base components first.
- Built tools and processes for engineering products on Salesforce, to allow for automatic deployment, measuring of test coverage, code generation, and automatic enforcement of best practices on pull requests. These projects are now implemented and maintained by developers company wide.
- Discovered and helped patch security vulnerabilities that would have impacted around 100 live customers.
- Contributed to open source fflib framework.

Leadership

- Played essential part in bringing the team to a stronger engineering ethos by implementing new processes, tougher code reviews, continuous collection of velocity data, and a story triage procedure with product managers.
- Made certain that short term goals could continue to be met by delivering already promised functionality while transitioning to a new process and leadership team.
- Proactively involved in mentoring other engineers to discover and implement maintainable solutions over short term wins.
- Presented proposals to other teams for new fundamental patterns to minimise the complications that arise when developing long term projects on Salesforce's platform.
- Successfully lobbied for more productive development environments.

Onionsack - Software Engineer

September 2013 to February 2017

Technical

- Maintained existing highly available enterprise Java SaaS Spring platform consisting of distributed micro-services deployed across Amazon's AWS and our own datacenter.
- Utilised Hibernate as an ORM to our persisted models stored in MySQL databases.
- Worked directly with our business partners to help deliver new consumer facing functionality by improving their APIs.
- Built completely new web applications from design through development, testing and deployment to deliver our existing services over new channels like Twitter & Facebook's messenger platform.
- Integrated crash reporting, analytics, continuous integration and a GitHub workflow to our mobile development.

Business

- Part of a four person support team that ensured high availability of our platform by monitoring resources, checking and clearing system alerts and responding to high priority business queries outside of office hours.
- Worked closely with major bookmakers in UK, Ireland & France to train and advise their staff on both new and existing functionality offered by our platform.
- Built new functionality for our platform from requirements through to live that now sees daily use across sports betting industry.
- Took over development, testing and release of a business essential mass market iOS & Android mobile application on behalf of our primary customer when their developers could no longer carry out the work needed to advance our business interests.