
SUNIL PATEL

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PROFILE

I am an energetic and excitable developer who enjoys creating intuitive and maintainable tools. I have been a Java developer for the past 4 years where I have worked on and maintained a large variety of projects. I am eager to get stuck into a new eco-system and to learn what makes it tick.

EXPERIENCE

TOOLS DEVELOPER, FERAL INTERACTIVE LTD., LONDON, UK 2014 - PRESENT

I am the primary Java developer at Feral Interactive, and am responsible for many of the tools used by developers daily. I am particularly comfortable with Java servlets and web APIs. During my time at Feral I have also worked extensively with Perl and moderately with C++. Most of the tools I work on are bespoke and were developed by me from scratch. These include:

- Crash reporting server. Games send crashes to the server using a web API. The server then processes and organises the crashes, which are available through a frontend. It also sends notifications when new crashes appear, so that developers can apply their focus where it is most needed.
- Game analytics server. With user permission, games send data to our servers where it is processed and presented in graphs or CSV format. Storing and processing such large amounts of incoming data was a challenge, but now the data is processed very quickly and consulted by the marketing team regularly.
- Build servers. All products we ship are built using the build system for which I maintain the backend. Since I arrived, I have made many improvements to the system including adding parallelisation allowing multiple machines to speed up the build. We build on 6 different platforms with over 10 build servers, their health critical to the success of the company.

Before transitioning to server-side tools, I also worked as C++ developer working on games for macOS where I exercised the perseverance required to fix incredibly elusive bugs.

EDUCATION

MSci MATHEMATICS (1ST CLASS, HONS.), IMPERIAL COLLEGE LONDON 2014

I tended towards probability-focused courses, with favourite modules of mine being *Stochastic Simulation*, *Applied Stochastic Processes* and *Complex Analysis*. I consider Mathematics to be one of the most elegant and beautiful fields of learning, and I look back very fondly on these years.

As part of my degree, I also studied for a year at L'Institut Polytechnique de Grenoble in France which was geared towards engineering and computing, with modules including *Numerical Methods* and *Operational Research*. All teaching was in French.

SKILLS AND TECHNOLOGIES

English (native), French (C1), Spanish (B1)

Proficient: Java, Tomcat, Servlets, RESTful API design, HTTP, Bash

Comfortable: Perl, PHP, Javascript, jQuery, BackboneJS, Bootstrap, C++

I enjoy learning and tinkering with new languages, and feel confident working with new technologies.

MISCELLANY

I enjoy playing squash and badminton and am an avid board gamer. I have an interest in linguistics and the evolution of language. I also create games in my spare time, releasing them on iOS and Android.

References available on request