Robin Smith

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Experience

Freelance Web Developer - KaptioTravel (May 2017 – November 2017)

For KaptioTravel, I quickly got up to speed on a new business domain and multiple codebases, and was able to immediately contribute to server-side pricing logic, whilst greatly improving the robustness of the existing code with extra unit tests. I did work across all codebases on the frontend and server-side, using technologies including Python, Pyramid, PostgresSQL, Typescript, Heroku and Salesforce.

Freelance Web Developer - Insight Software (March 2015 – May 2017)

As part of a very small team, I worked on a large enterprise application for Network Rail, using AngularJS and Flask frameworks and running in AWS. I contributed significantly to all parts of the application - frontend, server-side, database and also with helping to setup continuous integration in CircleCI. I provided valuable input on architectural decisions with the codebase, to ensure the application was able to scale as it grew. Automated testing was a critical tool in helping to keep the application robust as complex functionality was added. Frontend work involved UIs for graphing with interactive controls, data import and export, data configuration wizards, data management, report-building and generation interfaces. Server-side work included cost/benefit analysis algorithms, report generation, CRUD operations for complex data models. I devised logical database schemas and managed complex data migrations.

DevOps Engineer, Cloudreach Canada Inc. – Vancouver (March 2014 – March 2015)

I relocated to Vancouver as a lead engineer to help start up a new Network Operations Centre for Cloudreach in North America. I helped build team of AWS-certified DevOps Engineers capable of handling critical failures in – and restoring service to – customer web application stacks. I continued my previous work and trained new team members in DevOps and software development best practices. A highly-functioning team was established and was recognised by the business for performing to a high standard as well as upholding its core values.

DevOps Engineer, Cloudreach Ltd. – Edinburgh (June 2013 – March 2014)

I did DevOps and software development work for a range of customer and internal production web applications and stacks. I wrote business-critical code on the Force.com platform for internal processes, email management and improvement of internal business analysis. I gave customer consultation and implemented software solutions within customer Salesforce environments. I designed and developed an internal email archiving system using python, to archive support case emails from Salesforce into Amazon S3. The archiving tool was also deployed in customer production environments. I wrote custom data export and backup tools for the Heroku and Salesforce platforms. I was recognised by Cloudreach Ltd for being Easy To Work With.

Software Developer, Cloudreach Ltd. – Edinburgh (October 2011 – June 2013)

As the first developer in the new Edinburgh office, I worked web applications using the Django and Play frameworks, and the Salesforce Force.com platform. Projects used test suites with

continuous integration running on a Bamboo server. I became a core developer on the company's first sellable product: Alumina Connect – a substantial application which ran in Force.com and synchronised user data between Salesforce and Google Apps. I designed and developed a separate licensing application which ran on the Force.com platform and was used to license installations of Alumina Connect in customer environments. I wrote and maintained a custom continuous integration tool using shell scripts and Ant to automate deployment of code from source repositories to Force.com. The tool was used by the team throughout development of Alumina Connect, and later by other parts of the business on separate customer projects.

Software Development Skills			
	Languages:		**Frameworks & Tools:**
	Javascript		AngularJS, Flask, Pyramid, Django, Jekyll,
	Python 2 & 3		Ruby on Rails, Play, iOS, Cocos2D
	Ruby		Git, Gulp, Vagrant, Github, Bitbucket
	HTML, CSS, SASS		Bamboo, CircleCI
	Java		JIRA
	Typescript		
	Swift		
	Google Apps Script		
	Force.com Apex		
	Bash, ZSH		
	MySQL, PostgreSQL		
	Platforms:		**Methodologies:**
	Heroku		Test-Driven Development
	Salesforce/Force.com		Continuous Integration
	Google Apps		DevOps

Education	2005 – 2009	**MPhys Physics with Astrophysics, University of Sussex**
		Degree class 2:1

Other Skills & Qualities

Efficient time management and work ethic

I take a very energetic and positive approach to life and aim to make the most of each day. Handling the workload of a physics degree alongside paid employment and recreational activities has taught me efficiency, organisation and working to a self-disciplined schedule.

Communication and people skills

I have a very strong sense for effective and clear communications, developed through a diverse range of employment and experiences: DevOps Engineer; Software Developer; Officer Training Corps (OTC); tutoring at the University of Sussex; presentations; scientific reports and essays. I have given talks at Techmeetup events in Edinburgh.

Teamwork and team-building

In professional employment I have consistently been rated as being very easy to work with. I take a strong interest in the development of my team members and always take the time to help them out. This approach helped me to build a high-quality team in a new office whilst based in Vancouver, Canada, where a significant part of my job involved mentoring junior members.