

Robert Hardwick

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NATIONALITY British
DATE OF BIRTH 1986-09-12
GENDER Male

I am a highly experienced software engineer with an established record of delivering creative, maintainable, performant and secure solutions. I have held multiple Head of Development roles and worked with a range of high profile organisations such as Carlsberg, Sky, the Bank of England and the NHS.

From November 2018 until August 2019 I travelled throughout North and South America. I am currently based in New Zealand looking for contract work.

Skills & Competencies

Python (12 years), PHP (16 years), C, C++, Java, Swift, Scala, Lua, Javascript, HTML, Sass, CSS, Django, Flask, Solr, Elasticsearch, RabbitMQ, Celery, PyUnit, Fabric, Spark, Ansible, Chef, Drupal, React, Backbone.js, PostgreSQL, MySQL, Ubuntu, Redhat/CentOS, Vagrant, Docker, Selenium, Jenkins, Vim, IntelliJ, Xcode

Experience

Tangent

London
August 2017 - November 2018

Tangent is a large digital agency specialising in e-commerce, with a number of high profile clients including SAP, the Labour Party, Sky, Carlsberg and Nails inc.

SENIOR DEVELOPER

- Lead developer on key accounts such as Sky, Carlsberg and Nails inc. Responsible for maintaining existing systems (using Docker, Python, Java, Solr and RabbitMQ) as well as developing new features.
- Supported the agency in hiring for new roles as well as training more junior members of staff.
- Developed a custom Django application for Freesat, integrating with the organisation's existing RESTful APIs.

Self Employed

Bristol
October 2016 - July 2017

I developed an iPhone app and web service to allow musicians to manage their touring schedule.

- Native iPhone app written in Swift 3 utilising the mapping and notification capabilities.
- RESTful web service written in Python 3 using the Django framework.

Atchai Digital Ltd

London
September 2011 - October 2016

Atchai is a small digital agency specialising in bespoke analytics and visualisation solutions for a range of public and private clients. I started working as a freelance developer at the end of 2011 and then joined as Head of Development in 2012.

HEAD OF DEVELOPMENT

September 2012 - October 2016

- Played a leading role in business development and pitch presentations, acting as the technical lead on solution development and cost estimates.
- Managed a team of developers as well as external contractors across multiple concurrent projects. I ensured work was completed on-time and to a professional standard.
- Trained and mentored junior members of the team by explaining projects, introducing them to best practices and encouraging a confident and independent mindset.

- Designed and built a bespoke visualisation system for the HSCIC (now NHS Digital). The system imported clinical indicator data and allowed NHS staff to slice the visualisations across CCGs, trusts, hospitals, conditions and time periods. The front-end was a Drupal site communicating with a Django backend. Celery tasks were used to import data from an internal XML format into a PostgreSQL database which could then be queried in real time.
- Built an innovative prototype social media analytics system working with researchers from Royal Holloway University. Using a cluster of servers running Spark, I wrote a map-reduce job that performed community detection and then natural language analysis on a corpus of Tweets and user relationships. The results were presented through a simple Django front-end.
- Provided consultation and development on an internal data repository website for the Bank of England. This required liaising with stakeholders across multiple departments including infrastructure, security and data stewards.
- Developed our in-house startup: Dataseed; a SaaS application that allowed users to import data in multiple formats and then visualise it across different dimensions and various chart types. The back-end used Elasticsearch for real-time aggregation and the front-end was built with D3 and Backbone.js
- Ran projects using different development methodologies (Agile, Scrum, Kanban, TDD), dependent on the client's requirements.
- Responsible for researching new technologies (Scala, Spark, Ansible, Docker), ensuring code quality (code reviews, unit testing, continuous integration) and designing solution architectures.
- Provisioned (Ansible, Chef) and maintained Linux servers (Ubuntu and Redhat/CentOS) on both cloud services (AWS) and dedicated environments.

FREELANCE DEVELOPER

September 2011 - August 2012

- Developed a business management web application for the "secret shopper" service ServeLegal. The system replaced a legacy IBM Domino implementation and allows the ServeLegal staff to manage site visits, surveys for visitors and client orders. A client login was also developed that visualised client performance over time.
- Developed a Drupal based system for Turner Broadcasting allowing them to maintain multiple TV channel websites across multiple regions. Each site used the same codebase but had different content with a custom look and feel. I worked closely with Turner's infrastructure team to automate deployment.

Nameless Media Group

Bristol

September 2005 - August 2011

Nameless are a medium sized digital agency based in the centre of Bristol. I joined in 2005 as a junior developer straight out of school and by 2008 I had been promoted to Head of Development.

HEAD OF DEVELOPMENT

September 2008 - August 2011

- Managed a team of developers including hiring and training new team members.
- Introduced numerous best practices including proper source code control, personalised development environments, regular code reviews and unit testing.
- Developed an extensible platform for local councils (including South Oxfordshire and Vale of White Horse) that allowed council staff to easily manage site content and for new sites to be easily created.

DEVELOPER

September 2005 - August 2008

- Developed a micro-site for NHS Lanarkshire that provided information on occupational health and safety and a reporting system for related staff concerns.

Education

Bristol Grammar School

1998 - 2005

English, Maths & Computing A-Levels, 10 GCSEs