IAIN HUNTER BA (Hons)   LEAD DEVELOPER

http://www.iain-hunter.com   o   https://github.com/hunt3ri   o   https://stackoverflow.com/story/iain-hunter

SKILLS

Client-Side

Angular
Typescript

Server-Side

Python
C#
SQL

Databases

Postgres
SQL-Server
Oracle
Dynamo

DevOps

CI/CD
Docker
Terraform
Ansible
Packer
Linux
Bash
Ubuntu
TDD

AWS

Beanstalk
RDS
EC2
SQS
VPC
WAF
Route53
S3
SES

Frameworks

Flask
SQLAlchemy
Swagger
Pytest
ASP.Net MVC

PROFILE

Lead developer with 20 years experience in software design, development, delivery and leadership, in a wide variety of industry sectors.

I have a proven track record of shipping sophisticated, test driven, Web Apps to the cloud, on time and on budget. I'm highly experienced with devops, server side and web scale API development on AWS. Expert at taking high-level requirements and working with business stake-holders to realise their vision and avoid risks.   I'm passionate about what I do and enjoy collaborating and mentoring within agile teams.

RECENT EXPERIENCE

Principal Developer – thinkWhere – Sep 2017 - Present

As principal developer my focus has been to scale thinkWhere's apps for the cloud. This has taken the form of two main projects:

- **Infrastructure as Code** – Our AWS footprint has grown to 50 servers. I used Terraform, Ansible, Docker and Packer to manage the deployment of these servers and apps. Meaning we can spin up our mapCloud environment in under 10 minutes, ensure it autoscales to handle load, since launch we have achieved 99.99% uptime
- **MapCloud**– thinkWhere manages over 10 terabytes of map data. I led a dev team to build an Angular / Python / Postgres web app on AWS that scales to handle over 2 million requests per day from our customers, with comprehensive metrics, and admin UI

Senior Developer – thinkWhere – Oct 2015 – Sep 2017

As senior developer I led on a number of important projects to the company. I also helped thinkWhere adopt and migrate to agile workflows, from a more traditional waterfall approach.

- **Humanitarian Openstreetmap Team (HOT) – Tasking Manager - tasks.hotosm.org** – We ported and rebuilt HOTs legacy app to Angular / Python within 6 months. We successfully launched in Oct 2017 and HOT doubled throughput of mapping contributions
- **People in Need (PIN) – Cambodia Disaster Management** – I designed and built a web app to allow PIN to more easily manage disease outbreaks and natural disasters. The app displayed population centres, clinics, and real time weather data.
- **MapTrunk.com** – Led and built a sophisticated e-commerce platform for the purchase of Ordnance Survey mapping

Technical Manager – Skyscanner – May 2014 – Sep 2015

My role was to deliver Skyscanner's Facilitated Booking project. The project grew from an initial 2 developers to a cross functional team of 8 (whom I line managed). We developed a scalable solution on the Python / Angular stack, with deep focus on customers outcomes and UX. We launched and grew our traffic to over 20,000 daily visits and well over 1000 daily bookings. The project became a key driver in Skyscanner's strategic vision.

Certifications

Full Career History

Details of my full career history at companies including Capgemini, Student Loans Company, Huzutech and Tsumanga Studios can be found on linkedin here.

https://www.linkedin.com/in/hunteriain/

Open Source

Samples of my work can be found here:

- ★ https://github.com/hotosm/tasking-manager (278 commits, 31,000 lines added)
- ★ https://github.com/thinkWhere/DMIS (35 commits, 1800 lines added)

Agile, Mentoring, Coaching

I believe mentoring and coaching is an important part of the Lead Developers role. I'm a qualified Scrum Master and have deep experience in delivering software in sprints and take a pragmatic and flexible approach to challenges that crop up. These traits led to a SkyHigh award from my colleagues at Skyscanner for helping our team deliver a brand new booking engine.

Awards & Conferences

- ★ **GeoPython 2017 – Geospatial Microservices with Python, Flask and PostGIS** - Presenter
- ★ **High Impact Award - Entrepreneurial Spark (2014)** - £8000 prize awarded to my team
- ★ **Scottish EDGE Award – Scottish Government (2013) -** £48.5K prize awarded to our business

Education

BA Hons – Business Information Management, Napier University, Edinburgh, 1998

Interests

Interested in politics and current affairs. Amateur pianist. Curry aficionado. I love all kinds of music, especially blues. Reader and watcher of trash sci-fi. Very occasional blogger at iainhunter.wordpress.com.