

Felix Hanley

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References available on request

I am an Australian programmer with many years experience in software engineering, database administration and large scale DevOps. I am available for permanent, contract and remote positions.

With my wife and two young children I have spent the last 10 years doing part-time volunteer work in SE Asia. I am a native English speaker, am fluent in Thai and can get by in Lahu.

Freestyle Technology

July 2017 - Present

An IoT technology company providing hardware and software solutions to service providers and municipalities across SE Asia and Australasia. Their solution involves “smart” devices and real time control.

Senior Software Engineer

As a member of the data team I develop ETL and custom rules software to cope with the constant flow of incoming data and the APIs required to consume this data by the rest of the system.

- Developed several distributed network daemons written in Go
- Help orchestrate and implement a large API micro-service based platform
- Designed, implemented and administered Postgres services and PL/pgSQL functions
- Administered several Docker based deployments, both internal and external

Achievements

- Developed stream processing software processing 1000s of messages per second
- Maintained good test coverage for all code written

KLData/ARKpX

March 2015 - December 2016

A small, “Agile” team based in Melbourne developing a cross-platform, encrypted storage solution much like ‘Drop-box’ but using client-side, PKI encryption.

Senior Software Engineer

I worked remotely from Thailand on AEST’s timezone so as to work in sync with the team and participate in all “daily scrums”

- Lead development of core “vanilla” Javascript encryption library (*Node, Javascript*)
- Implemented PKI primitives using A+ Promises
- Developed custom ASN.1 schemas for CMS (RFC 5952) communications (*ASN.1*)
- Created extensive cross-browser test suite and maintained CI (*Bamboo CI, Selenium*)
- UI development across all modern browsers (*AngularJS*)

Achievements

- Multiple product releases to Australian government departments
- Test coverage to 80% across all major browsers
- Important contributions to Open Source components

Ayuda Hosting

February 2010 - February 2015

Innovative hosting and development company based in Melbourne CBD.

Senior Software Engineer, DevOps

As part of the small team I was involved in all areas of network design and installation, project planning and cost estimation. I worked for one year in the Melbourne office and then remotely from interstate and overseas.

- Developed client websites and applications (*PHP, Javascript, HTML/CSS*)
- Managed large, redundant networks, firewalls and VMs (*Xen, Keepalived, IPTables, IPsec, PF*)
- Developed control panel and billing software (*PHP, SQL, Shell*)

- Implemented large configuration systems (*CFEngine, Puppet*)
- Monitored and administrated HA and replicated server clusters (*Apache, Nagios, MySQL, Postfix*)

Achievements

- Brought many large projects to deployment
- Developed in-house CMS software with custom ORM and plugins
- Improved in-house billing software to simplify account setup and payments

User Space

April 2006 - Present

Melbourne based hosting and development services to Australian and SE Asian clients.

Principle programmer, DevOps

Managed my own hosting and development business.

- Developed custom hosting control panels (*Go, AngularJS, Ruby on Rails, Shell*)
- Maintained 30+ Linux and BSD VMs including HA databases and load balanced servers (*BSD, Ansible, HAProxy, Postgresql*)
- Administered free DNS service, custom dynamic DNS and OpenNIC services (*PowerDNS, TinyDNS, Python*)
- Developed and maintained custom support software for clients (*Python, Shell*)
- Built custom REST API for a number of SaaS clients (*Go, Sinatra*)
- Built custom Magento integrations for international clients (*PHP5, XML*)
- Developed custom Spree (RoRs) plugins and themes for clients (*Ruby, SQL, HTML, CSS*)

Achievements

- Built a loyal customer base of over 50 clients

Sensory Networks

February 2005 - April 2006

A provider of software pattern matching and content processing acceleration solutions with US, London and Sydney offices.

Web-application developer

I was part of a two person team that developed and maintained all the internal software used by the company for tracking stock, sales and hardware testing results.

- Developed and maintained internal, cross-continent warehouse application (*PHP, HTML, CSS, Lua*)
- Maintained large, replicated database cluster (*MySQL*)
- Performed security and performance audits & penetration testing
- Implemented code documentation framework (*XSLT*)

Achievements

- Reduced delays in testing and warehousing by improved UX design and reporting
- Implemented standard documentation schemas for multi-format output

Freelance

October 2002 - February 2005

Programmer, DevOps

I worked in remote mining towns supporting local contractors and government departments in Western Australia and Sydney.

- Development of custom PHP/MySQL web applications for contractor reporting
- Installed and maintained large LDAP, firewall and email system for local high school
- Install and maintained numerous BSD VPNs and redundant links for local mine contractors

National Telecoms Group

January 2001 - October 2002

One of Australia's largest supplier of corporate phone systems, based in Sydney.

Programmer and DBA

As a small team of 2 we were responsible for the development and maintenance of the company's call-centre software and large lead database.

- Developed and maintained a large Saleslogix CRM used by 6+ call centers (*VB, SalesLogix*)
- Administered 300+ seat Citrix Meta-frame installation, the largest in Australia

DefineIT/Macquarine Health

2000 - 2001

Supplier of medical monitoring equipment, based in Sydney.

Programmer

- Maintenance of embedded C/C++ code for monitoring units
- Administration of 50+ seat network and medical records database

Education

2001 Bachelor of Computer Science and Software Engineering, The University of Sydney

1994 Bachelor of Applied Science and Computer Technology, Swinburne University (*deferred*)