

## Felix Hanley

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<https://github.com/felix> | <https://bitbucket.org/xilef>

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.

## KLData/ARKpX

### March 2015 - December 2016

A small, "Agile" team based in Melbourne developing a cross-platform, encrypted storage solution much like 'Dropbox' 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 mult-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/Macquaraine 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*)