

# felixhanley

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## contact

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<http://felixhanley.info>

## languages

English (native)  
Thai (fluent)  
Lahu

## programming

Go, Ruby, Javascript,  
SQL, Python, PHP,  
Shell, CSS & HTML,  
C/C++

## interests

guitar, hiking,  
security, travel

## references

please contact me

## experience

- 2015–2016 **KL Data / ARKpX** Melbourne; Remote  
*Senior software engineer*  
Cross-platform encrypted storage solution provider.  
  - Lead development of core vanilla Javascript encryption library
  - Extensive PKI, CMS (RFC 5652) and custom ASN.1 development, testing and debugging
  - Agile development and extensive test coverage in Node and browsers (Bamboo CI)
  - UI development across all modern browsers (AngularJS)
- 2010–2015 **Ayuda Hosting** Melbourne; Remote  
*Programmer, network engineer*  
Innovative hosting and development company.  
  - Developed control panel and billing software (PHP/MySQL)
  - Managed large, complex firewalls involving Xen (IPTables, PF)
  - Implemented large configuration systems (CFEngine, Puppet)
  - Designed load balanced and replicated clusters (Keepalived, IPSec)
  - Developed client websites and applications (PHP, Javascript, HTML/CSS)
- 1998–present **Contract & Freelance** Melbourne; Western Australia; Sydney; Remote  
*Programmer, network engineer, consultant*  
Freelance development & consulting in Australia and SE Asia.  
  - Developed client APIs, custom libraries and SQL optimisations for clients (Go, SQL, Ruby, Python, Javascript)
  - Linux/BSD clustering and IPv6 networks & firewalls (PF, IPSec, Ansible)
  - Implemented HA environments (CARP, Pacemaker)
  - Developer training (HTTP REST, PKI & GPG, general security)
  - Performed security audits on proprietary code and firewalls
  - Development of device drivers for medical equipment (C/C++)
- 2005–2006 **Sensory Networks** Sydney  
*Web-application developer*  
Security focused, hardware design company.  
  - Developed internal warehousing application (PHP, Lua)
  - Performed security and performance audits; penetration testing
  - Implemented code documentation framework (XSLT)
- 2001–2002 **National Telecoms Group** Sydney  
*Programmer & DBA*  
Development on Australia's largest distributed CRM.  
  - Developed and maintained a large Saleslogix CRM (VB, SalesLogix)
  - Designed and implemented large MSSQL cluster
  - Administered 300+ seat Citrix installation

## education

- 1999–2001 **Bachelor** of Computer Science The University of Sydney  
Focused on filesystem resilience and database optimisation
- 1994 **Bachelor** of Applied Science Swinburne University  
*Deferred*