Nelson Shaw

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Employment

Glassjar Ltd (YC W15) - Chief Product Officer

October 2014 - Current
- Implemented native Android app including OAuth, Venmo integration and card roulette animations
- Product + API co-design and feature addition to iOS app.
- Extensive research and analysis of the current fintech state – including fiat/crypto currency, payment networks, business and consumer apps
- Developed numerous landing pages, MVP apps, forms and google analytics to validate ideas
- Biz Dev - Customer interviews, lead generation and relationship building

Keen Kiwis Ltd - CTO & Co-founder

September 2012 - September 2014
- Product design, MVP creation, market research and consumer validation
- Implemented scalable Django app on AWS with MongoDB & Neo4j (including asynchronous processing)
- Designed full API and implemented proprietary social graph algorithms on MongoDB and Neo4j
- Developed full feature native android app (like Tinder but for events)
- Took part in New Zealand's most prestigious start up accelerator – Lightning Lab

National Australia Bank (contractor via Kakapo Technologies) - Lead Dev (team of 3)

August 2011 – March 2014
- Reconciliation & Reporting Tool (Python services + Web app) – complicated data analysis platform that takes feeds of data (csv, flatfile, sql) from 40+ wholesale trading systems, transforms and compares data
  - Developed new features – data feeds, financial instruments, data transformations, report rendering in xlsx, website data view enhancements
  - Enhanced existing features – new data views on website, reduced on demand report comparison and rendering time by up to 400%
- Confirmation Server (Java, XSLT & Sybase Server + VB6 GUI) – produces letters of confirmation for creation and amendment of Interest Rate Derivative and Bond trades
  - Implemented end to end data solution to deliver confirmations of new tailored business loans to NZ Post daily
  - Various business enhancements to support more granular interest rate margin breakdowns

Scion (formerly Forest Research NZ) - Software Developer, Intern

September 2012 - September 2014
- Transformation of point data from tree ring images into 3D models (C++)

Education

University of Canterbury - Christchurch, NZ

2007 - 2011

B.Sc. (First class honours) in Computer Science and Mathematics (published paper in ECMS)
Started Ph.D. but exited programme after Research Proposal to accept job offer.

Coursework: Algorithms, Calculus, Computer Visualisation, Cryptography, Data Structures, Information Warfare, Linear Algebra, Programming, Security, Software Engineering, Simulation

Projects

TimeTravel (http://gettimetravel.com**)**
Lets you schedule your Uber rides in advance. iOS Swift app with Rails backend.

Film Hunt (http://filmhunt.co/)
Website to find good movies to watch. Built with jQuery, Django + Postgres with data imported from TMDB & IMDB.

Restup (https://play.google.com/store/apps/details?id=com.restup.android**)**
Android app (native) to count time between sets at the gym.

ResultShark
Record and compare cycling results over multiple races, Google App Engine + Twitter Bootstrap).

Websites
APR Consultants (2007); Rotorua International Two Day Walk (full site + event entry & credit card payment integration, PHP & MySQL).

Scholarships and Awards

* University of Canterbury Emerging Leaders Scholarship in Mathematics (2007)
* Rochester and Rutherford Hall Scholarship (2007)
* Rotorua Young Leaders Scholarship (2007 – 2010)
* Andy Burnett Memorial Scholarship (2007)
* NZQA Scholarship Statistics and Geography (2006)

Languages and Technologies

* Python; Java; C++; MS SQL; Sybase; Oracle; Neo4j; MongoDB; JavaScript; XSLT; HTML/ CSS
* Android; Django; Celery; WebPy; Google App Engine; Push notifications (Android & IOS); Connect Direct; MQ & RabbitMq;
* Eclipse; Visual Studio; PyCharm

References available on request