

ANDREW PERKINS

Software Engineer

CONTACT

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PROFILE

Client facing software engineer and lead, proven at taking large scale software projects from design to deployment. Product focused, experience with a broad range of responsibilities.

EDUCATION

Bachelor of Engineering

Electrical and Computer Systems
Monash University

Bachelor of Science

Computer Science
Monash University

DEVELOPMENT

Languages + Frameworks

Ruby + Rails
Python + Django
Php + Laravel
JavaScript + React + Vue
Java + Android
C++
Rust
Tech
Docker/Terraform/Ansible/CDK
SQL/NoSQL
AWS/GCP

WORK EXPERIENCE

Lead Engineer

Art Processors | July 2021 – Current

Experimental design and technology company, focused on art and culture industries

- Responsible for leading client facing projects, coordinating technical teams
- Working closely with product and business development teams to filter, scope and deliver end to end commercial opportunities
- Drive adoption of reusable components and structure across projects and technical disciplines
- Directly manage client relationships and outcomes
- Hire, grow and mentor for the team; people lead for 4 developers

Technologies: Python + Django, Rust, CDK

Software Engineer

Amazon (Vancouver, Canada) | January 2020 – April 2021

World's largest online marketplace

- Worked on the Amazon Catalog, dealing with extreme scale and reliability requirements
- Technical lead on large scale deprecation campaign spanning multiple organisations, responsible for driving consensus and outcomes
- Team lead for project to produce a low latency, highly reliable system for serving modern Catalog data in legacy systems
- Owned and maintained widely used internal tool
- Regular primary on-call rotation for critical systems

Software Engineer / Product Owner

Digital Agricultural Services | September 2018 – January 2020

Data focused Agtech startup partnered with CSIRO

- Responsible for determining and driving development focus for the company
- Part of the Development leadership team, leading the backend software implementation
- Implemented scalable ETL processing capabilities using Fargate and other on demand infrastructure
- Interfacing with the commercial team to determine products and milestones
- Client facing with a focus on product

Technologies: Laravel + Vue, Docker, AWS

WORK EXPERIENCE CONTINUED

Cofounder

SBL | March 2016 – Present

Developing custom turnkey software for the Transport Industry

- Founder and primary developer for a software development company that services the Transport Industry
- Responsible for client interaction, day to day management and software development
- Delivered workflow solution using in-field tablet data collection for an intermodal transport hub
- Delivered heavy vehicle braking calculator, successfully tendering for a Federal Government contract

Technologies: Python + Django, Java + Android.

Software Engineer / Solution Architect

Innowell | July 2017 – August 2018

Mental Health service reform startup

- Responsible for system architecture and design; leading the backend software implementation
- Partnered with the Lead Developer to effectively scale the team from three up to ten developers over the course of six months, performing the ongoing role of a senior leadership team
- Working as an internal stakeholder to the Product team to define and workshop solutions, whilst ensuring a smooth transition from product requirements into actionable technical tasks

Technologies: Ruby + Rails, GraphQL, React, Docker, GCP

Sole Developer

Coffee Roulette | March 2015 – Present

Internal social networking tool for large teams

- Lead developer on site with thousands of active users
- Responsible for all technical aspects of site, from development to hosting to maintenance
- Managing and running subcontracting of feature development work where required

Technologies: Ruby + Rails, Linear Programming, Docker, Digital Ocean, Terraform, MIP

Software Engineer

Biarr Networks | December 2014 – December 2015

Providing Fiber Optic Networks designs through optimisation and technology

- Lead programmer on a small team prototyping producing Electrical Network designs
- Responsible for geospatial algorithms being built in order to preprocess poor quality GIS data into consumable inputs
- Extensive involvement in rewrite of core Python based tooling

Technologies: Python

Sole Developer

Australian Road Transport Suppliers Association | July 2013 - Present

Providing market information and analysis for the Heavy Vehicle Transport industry

- Cleaning, standardising and presenting data from multiple government agencies
- Responsible for development, production data, day to day operations
- Provide guidance and help manage the research work that runs in parallel to development
- Keynote speaker at the annual ARTSA Data Day

Technologies: Ruby, Python, SQL, Docker, AWS

Junior Software Engineer

Transtech Driven | December 2012 – September 2013

Fleet management system for the Heavy Vehicle Transport industry

- Compliance, tracking and fatigue management systems for trucks
- Responsible for feature development on web portal and assisting on integration with in-cab systems
- Worked on data migrations to enable effective database scaling

Technologies: Ruby + Rails, Android, C#, NoSQL