Philip Castiglione

philipcastiglione@gmail.com | +61 405 510 413 | philipcastiglione.com | GitHub | LinkedIn

Skills

Python, Ruby, JavaScript, TypeScript, C#, Rails, Flask, FastAPI, Node.js, React, Svelte, Postgres, MySQL, NoSQL, Redis, AWS, GCP, CI/CD, Docker, DevOps, Testing, TDD/BDD, Full-Stack Development, Load Testing, Performance Profiling, Monitoring, System Design, Distributed Systems, applied AI/ML, Stakeholder Management, Cross-functional Communication, Hiring, Mentoring, Leadership

Experience

Principal Consultant — Elevate Partners — (Remote) Dublin & Perth — 07/22 – now

- US stealth data/fintech startup: Led the design and rapid prototyping of a SaaS product prototype for founder sales pitches using scalable and hirable cutting edge technologies including Python, FastAPI, TypeScript, React, Docker and GCP. Established strong patterns and coached client engineers on best practices.
- NASDAQ listed fintech: Identified, designed and drove changes in vendor API usage reducing spend by 35% (>$1.1m USD p.a), implemented on TypeScript Node.js backend after achieving buy-in from stakeholders and socialising with engineering.
- Australian startup: As technical co-founder, built and deployed an entire HR SaaS platform single handedly in Ruby on Rails. Built a fully automated integrated sales engine for the B2B phone & email outreach team.

Platform Tech Lead — DIGIT, a Scopely Studio — (Hybrid) Dublin, Ireland — 11/19 – 06/22

- Led design and platform implementation of Battle Pass feature driving >$100m USD annual revenue using a highly efficient, consistent and robust architecture of Python, Flask, MySQL, Redis, Celery and Protobuf to serve >100k heavy traffic CCU.
- Retained key customers by solving a long term complex flaky bug using load testing and performance profiling techniques.
- Consistently received the highest review rating possible and received two promotions within 2 years.
- Lead a team of 5 amazing engineers; hiring, onboarding, mentoring; facilitating, protecting and enabling them.

Software Engineer Consultant — Cogent (acq. by Block NYSE: SQ) — Melbourne, Australia — 04/18 – 11/19

- ASX50 proptech: Improved core search path response time by 200-300ms (10-15%) for >100m monthly users via optimisations through an event sourced data stream (Amazon RDS and Amazon Redshift), several microservice enrichment layers (Ruby, Scala, GraphQL) to the front end (Backbone, React, jQuery).
- Initiated Cogent's AI & Machine Learning practice, building a public recommender system demo to drive client acquisition and then implementing an NLP pipeline to automate customer onboarding for a B2B SaaS startup, reducing manual effort by >40%.
- Every client I worked with tried to hire me.

Machine Learning Internship — A^{2}I^2 (Applied AI Institute) — Melbourne, Australia — 11/18 – 12/18

- A secondment from Cogent to upskill in AI/ML in order to help Cogent enter the space.
- Built a computer vision prototype for generating application UIs from hand drawn sketches.

Software Developer — JCurve Solutions (ASX: JCS) — Melbourne, Australia — 05/16 – 04/18

- Core contributor on the primary product: learned best practices regarding code, tests, architecture, code review.
- Designed and built handrolled Authn/Authz system to OWASP standards supporting OAuth2 and ACL permissions using JWTs.

Junior Programmer — Hardhat Digital — Melbourne, Australia — 06/15 – 05/16

- Built CMS backed ecommerce websites, cross-platform phone apps and learned fullstack development from a brilliant mentor.

Between 2012 and 2015 I worked in Management Consulting and Finance roles before pursuing my passion for technology.

Education

Bachelor of Computer Science (Cognitive Science) – Deakin University — Melbourne, Australia — 03/17 – 11/20

- Graduated top of my year, with many academic awards, whilst also working full time.
- Deakin Scholarship for Excellence, Professor of Information Technology Award, School of Information Technology Award, Patrick Pleass Memorial Award, Australian Computer Society Student Excellence Award, Graduated With Distinction.
- Founding Executive Member (Treasurer) of Deakin Software Engineering Club.

Bachelor of Commerce (Finance) – University of Melbourne — Melbourne, Australia — 03/09 – 02/12

- High Distinction average, multiple academic awards.
- CPA Management Accounting Prize, Sothertons Fraud and Forensics Prize.