Andrew Jones

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Work Experience

Co-Founder - Fern Technologies Inc (London)   **September 2022 - May 2023 (8 months)**

- Built fully-functional MVP in Elixir using Phoenix, LiveView, Tailwind
- Integrations with Google, Hubspot, Postmark, Zapier
- Provisioned infrastructure: Application on Fly.io, databases (PostgreSQL & MongoDB) provisioned by DigitalOcean, Github Actions CI pipeline
- Working with Co-Founder on product roadmap, planning and prioritizing
- Various Co-Founder related activities including sales, fundraising, user interviews and strategy

Tech used: Elixir, Phoenix, LiveView, PostgreSQL, MongoDB, Fly.io, DigitalOcean

Full-Stack Software Developer (Contract) - Coconut Inc (London)   **September 2021 - September 2022 (1 year)**

- Frontend development on their Web product with React & Typescript integrated with a REST API backend
- Backend development on their API for web + mobile apps - Django, Celery, PostgreSQL, MongoDB
- Working closely with Product Manager to help shape and prioritize backlog and upcoming work
- Push forward the coding standards across both frontend and backend codebases, working closely with other developers + product managers make their software more maintainable, iterable and frictionless
- Kicked-off conversion of frontend codebase from Javascript to Typescript

Tech used: Python, Django, React, Typescript, PostgreSQL, MongoDB, AWS, Terraform

Software Engineer (Contract) - vimr Inc (London)   **November 2020 - May 2021(7 months)**

- Built initial MVP for business spend/management platform - a Django REST API, NextJS frontend
- Worked with the Co-Founder to define feature-set, prioritize and build to an agreed timeline and budget
- Provisioned all infrastructure and deployment pipelines using DigitalOcean, Dokku, Github actions & Terraform

Tech used: Python, Django, NextJS, Typescript, Tailwind, Terraform, DigitalOcean

Product Engineer - Teller Inc (London)   **March 2020 – September 2020 (7 months)**

- Added billing and payments functionality to customer dashboard using Stripe using the Payment Intents API. Functionality was built out with Phoenix LiveView on the client-side.
- Created an API usage view in the customer dashboard - show customers in real-time the logs from their usage of the Teller API.
- Built out several parts of the customer experience including user onboarding and profile management (Email confirmation, password reset flows, team management)
- Extending banking API integrations to parse and push statement PDF files to AWS S3, adding a new "balances" endpoint to the API and adding versioning to the user documentation.
- Speeded up the frontend build tools (Webpack) to make hot-reloading in development much faster (50 seconds down to 8 seconds) and reduce static asset build size (brotli compression and PurgeCSS).

Tech used: Elixir, LiveView, Terraform, Tailwind, AWS

Software Development Engineer - Growth Street,   **April 2017 – March 2020 (2 years, 9 months)**
(London)

- Built out a Flask-based service from scratch to support the wider engineering goal of moving towards a service oriented architecture. Included everything from setting clean-code standards within the codebase to building out CI and deployment pipelines within engineering best practices.
- Worked on internal credit decisioning software used by the business to manage customer credit-lines. Worked on several backend services written in Django, exposing REST APIs and a React SPA on the frontend.
- Build and implement new features in-line with product requirements. Worked with product managers in a development team to plan, estimate and deliver customer-facing changes to the product. Worked in areas including payment processing, core parts of the Growth Street P2P exchange and turning a python Pandas script into a scalable HTTP forecast service. Owned delivering my features end-to-end from understanding product requirements, code quality, testing, QA and deployment.
- Involved in proposing and planning improvements to engineering technology and managing tech-debt. Proposed and scoped-out the work required to migrate the credit decisioning software from Javascript to Typescript. Also planned all the work to merge 4 separate frontend toolchains into one. Got buy-in from management and the CTO to prioritize all engineering-specific projects.
- On-call support - worked to get the applications out of difficult situations during out-of-hours, including resolving business-critical issues. I was a point of contact for other engineers in the team when they struggled to solve problems.
- Support and train junior colleagues in areas such as writing clean code, debugging and problem solving, run presentations on areas of software development which interested me.
- Support the product managers by providing high-level implementation plans for potential projects. This included scoping and building out the Growth Street integration on Starling marketplace.
- Heavily involved in recruitment on the tech team - phone and in-person interviews, being part of the decision process for dozens candidates, running and designing coding interview questions

Tech used: Python, Django, Flask, AWS, Terraform, React, Typescript, Gitlab CI

Python Developer - LETO Labs (London)   **Nov 2016 – April 2017 (5 months)**

- Backend Web Development with Python (Django)
- RESTful API development (Django REST Framework)
- Javascript (JQuery)

Econometrician/Marketing Data Scientist -   **Jan 2014 - Nov 2016 (2 years, 10 months)**
Brightblue Consulting (London)

- Data modeling, analysis and presentations using Excel, VBA, R, Powerpoint
- Web-scraping tools to fetch weekly weather data from across europe

Technical Skills & Education

Skills:

- Python (Django, DRF, Flask, SQLAlchemy, Fast API)
- Elixir (Phoenix, LiveView, Absinthe)
- Frontend: React/NextJS, Typescript, Javascript, HTML, CSS, Tailwind, styled
- Databases: PostgreSQL, MongoDB, Redis
- Infrastructure & Deployment: Nginx, AWS, DigitalOcean, Fly.io, render.com, Github Actions, Gitlab CI, Terraform, Docker

2012 – 2013 MSc Economics - University College London

- Advanced Macro and Microeconomics, Advanced and Applied Econometrics, Time-series Econometrics
- Dissertation: An investigation into the predictive power of macro-indicators – A recession-based forecasting model

2009 - 2012 BSc Economics – Cardiff University

- Areas of study included Intermediate Micro and Macro-Economics, Financial Economics, International Finance, Industrial Organisation and Social and Public Economics