Andrew Low

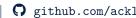✉ contact@ackl.me | 🔗 linkedin.com/in/acklow | ⌨ github.com/ackl

PROFILE

Astrophysics graduate with a decade of professional experience in software engineering. My speciality is front end engineering, but I am no stranger to working on all parts of the stack. My professional portfolio has mostly been in the e-commerce space. I have a keen interest in Machine Learning with a solid understanding of the underlying mathematical principles. Futhermore, I enjoy learning about cybersec, and like playing hackthebox to acquire and hone these skills. I also absolutely love playing the piano in my free time.

My typical work day usually involves:

❋ Reading, reviewing, refactoring and writing performant, clean, maintainable code for high volume and transactional e-commerce sites.

❋ Liaising with adjacent engineering teams to prevent knowledge silos, collaborating on high level systems architecture and solutions to achieve the goals of the client.

❋ Mentoring, providing support and guidance to junior developers.

❋ Consulting directly and frequently with external business and technical stakeholders; as part of this duty, I often lead on product demonstrations.

EXPERIENCE

Grid Dynamics   [contract]

SENIOR SOFTWARE ENGINEER (FRONT END)   Apr 2021 - Mar 2024

❋ Consulting and implementing software solutions for business needs.

❋ Providing documentation and training to both clients and fellow developers.

Mulberry

➨ Development of new features for Mulberry's e-commerce site.

➨ Implementation of new payment methods.

➨ Refactoring of legacy codebase.

➨ Knowledge transfer, technical writing to fill gaps in documentation.

➨ Performance optimisation.

selfologi

➨ Delivered greenfield project for Dubai based startup building an aesthetic medicine platform.

➨ Onsite consultation at their Dubai office.

➨ Engineered a platform allowing client to operate a market between aesthetic clinics and consumers.

➨ Engineered a corresponding b2b back-office system for management of orders and bookings.

➨ Used serverless services on AWS for integration of various different third parties.

➨ Used a composable commerce apporach for our architecture, utilising MACH and JAMStack paradigms etc.

Cyzag   [contract]

SENIOR FRONT END ENGINEER   Feb 2019 – Jul 2019

❋ Bought in as senior FE engineer to optimise and refactor data visualisation application for manufacturing execution systems using data sourced from industrial sensors, facilitating insight discovery for users.

❋ Introduced proper version control, migrated legacy spaghetti script into a more maintable codebase built on Vue.js framework.

Tacit Knowledge

FRONT END ENGINEER   Apr 2016 – Sep 2018

❋ Consulting and implementing software solutions for business needs.

❋ Attending hackathons.

Gucci

- ➳ Led front end team during our consultation and engineering for the digital side of Gucci's new Decor range.
- ➳ Onsite consultation at their Milan and Florence offices.
- ➳ Implemented prominent new features and components for site as well as a large scale refactoring of much of the front end codebase.

Wilko

- ➳ Led front end team for this project, delivering an e-commerce MVP within 4 months of development time.

Clos19 (Moët Hennessey)

- ➳ Delivered the front-end for a full e-commerce solution, allowing client to go B2C for the first time.
- ➳ Onsite consultation.
- ➳ Customised OOTB hybris CMS to enable efficient workflow for client's specific use cases.

Mulberry

- ➳ Implemented FE overhaul (styling, UX) to deliver Mulberry's 2016 brand refresh strategy.
- ➳ Onsite consultation.
- ➳ Development of new CMS components.
- ➳ Optimised developer experience and FE build times by introducing newer tooling (e.g. bundlers, task runners) and removing code rot in build processes.

Associate Front End Engineer   Feb 2015 – Mar 2016
Viking Direct (Office Depot)

- ➳ Onsite consultation (UX, UI and design needs), for greenfield project for client's e-commerce replatforming.
- ➳ Front-end development of full e-commerce solution delivered, allowing client to go B2C for the first time.

Substantive Research Ltd   [freelance]

Software Engineer   Sep 2015 – Jul 2017
- ❈ Sole front end engineer for this startup, using the Vue.js framework (connected to a PHP backend). I built the beta SPA, a dashboard with data analysis, stats, and visualisations based on analytical data of recently published financial research papers and reports.

Atchai Digital

Software Engineering Intern   Aug 2014 – Jan 2015
- ❈ Developing web software using Agile methodologies.
- ❈ Learnt and applied practices such as continuous integration, regular code reviews and pair programming.
- ❈ Contributed bug fixes and production ready code to projects ranging from a data visualisation SaaS application to client websites.

EDUCATION

Queen Mary University of London

BSc Astrophysics, First Class Honours   2011 – 2014

Dissertation: Magnetic Fields in the Solar Corona; Critical analysis of existing literature. Numerical simulation using Green's function to extrapolate coronal magnetic fields from solar magnetogram data.

SKILLS

Languages : TypeScript, JavaScript, GraphQL, JSX, HTML, CSS, SASS, Python
Frameworks : React, [Next.js], Vue.js, , TypeGraphQL, Flask, Spring, Express
Misc : mocha, jasmine, jest, @testing-library/react, webpack, AWS, docker, self-learning, piano

VOLUNTEERING

Newham CGL Rise

Volunteer   Dec 2018 - Jun 2019