

Alex Dunne - Software Engineer

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Personal Statement

A hard working, motivated, and inquisitive Software Engineer looking for a challenging and interesting role at a company where hard work is appreciated and personal growth is encouraged.

Experience

Codevate LTD

Software Developer; May 2016 – present

- Led several projects from concept to completion, ensuring specifications were clearly understood and expectations were surpassed.
- Advocated for and implemented reproducible development and production environments using Vagrant, Ansible, Packer and Docker, thereby saving multiple days of on-boarding.
- Curated a robust and well tested development stack to ensure longevity and reliability in our clients' software, including Symfony, NodeJS, Postgres, Redis, RabbitMQ, Socket.IO, React, React Native, TypeScript, Webpack, SASS, Vagrant, Ansible, Docker, Packer, Fastlane and Sentry.
- Created a cross-platform community-orientated personal safety alarm system built with React Native. Key features include: real-time location based notifications, built with PostGIS and RabbitMQ, and SMS verification using Twilio.
- Designed and developed a native mobile application, integrating Snips.ai, Cereproc, Bluetooth LE, Bluetooth5, and custom hardware to provide an offline and privacy first personal assistant.
- Created a proprietary framework to convert JSON into a cross-platform multi-screen form using React Native, providing the ability to update the user interface over the internet.
- Integrated Google OAuth and the Google Calendar API to connect an internal scheduling system with calendar applications on remote users' devices.
- Implemented a distributed, resilient, and scalable websocket service using Redis and Socket.IO.
- Integrated with payment gateways, such as Stripe and WorldPay.
- Reduced page load times using industry best practices, including code splitting JavaScript, caching assets client-side using the Service Worker API, and removing non-critical assets from the initial page load.

SmooF

Web Developer; September 2015 – May 2016

- Created a bespoke deal redemption system for young people, built with Ruby on Rails with a PostgreSQL database. This was then progressively enhanced using jQuery.
- Created an Asana integrated kanban style board using React and Redux.
- Performed peer reviews on other developers' code to give feedback on possible amendments that could make the code both future-proof and less prone to bugs.

- Developed projects using both Behaviour and Test-Driven Development approaches.
- Used Continuous Integration (CI) to ensure new or changed code compiled with tests before being integrated with the codebase, reducing the risk of bugs being introduced to the project.
- Used Continuous Deployment (CD) to automatically deploy changes from GitHub to staging and production servers hosted on Amazon Web Services (AWS) and Heroku.
- Used Agile methodology to ensure that the most value-rich features were implemented first, creating leaner projects that could be validated sooner.
- Implemented the 12-Factor approach ensuring that code, assets and configuration were decoupled as much as possible.
- Applied BEM methodology to SCSS to ensure that styles are scoped in a way that allows easy extension for future components.

Halesowen College

Software Developer; July 2014 – September 2015

- Creation of internal system to assist in monitoring student's attendance, performance and pastoral needs.
- Provided training for bespoke internal tools to faculty members.
- Collaborated with various stakeholders to highlight existing processes and develop autonomous software solutions.
- Used ETL programs to transform data from multiple systems into a central data location. This was then transformed into a data warehouse to perform analytical research.

ERIKS UK

I.T Trainee, February 2014 – July 2014

- Resolved technical problems via telephone and face to face communication.
- Created a C# program to assist in auditing duties.

Education

Halesowen College, September 2012 – August 2014

3 A-Levels; Accounting, Computing and Mathematics at grade B

St Michael's C of E High School, September 2007 – August 2012

9 GCSEs, including grade B in English, Maths, and Science

Interests

Personal interests include reading non-fictional literature, travelling, and experimenting with bleeding edge technology and libraries.