James Monks

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From the moment I wrote my first line of code and experienced that instantaneous feedback from the computer, I knew I was hooked into the world of software engineering. What started as a curiosity has now grew into fully fledged passion.

My past engineering experience and the journey from apprentice to tradesman, has left me a highly coachable individual with a burning passion to keep learning. Gaining real world experience working in large engineering teams and to deadlines, I feel these skills will be highly transferable and will allow me to hit the ground running if given the opportunity to work within the software engineering industry.

I have experience using a range of tools for testing: encompassing unit, functional and automated. Most recently I have been using Mocha and Assert for Vue and Minitest for automated testing. I also enjoy experimenting with new technologies in order to better understand their particular use cases as well as further my own knowledge.

#Showcase Projects

Spending Management System - https://github.com/j-monks/spending_tracker

Spending Tracker is a financial application that allows users to track their daily expenditure, while keeping tabs on varying merchants and shopping categories. The backend is built on Sinatra and PostgreSQL utilising RESTful API design. The frontend is written in vanilla Ruby, HTML and CSS. Looking back on this project, I would have liked to attempt to implement a dynamic chart that reflected the users transactions.

Pokedex - https://github.com/j-monks/pokedex-vuejs

Pokedex is a fun and lighthearted catalogue web application. It uses the open source Pokemon API and showcases various information about Pokemon, locations and moves. It is a purely frontend single page application using only JavaScript and Vue.js. I am however using Bootstrap for the styling in this project and I really enjoyed working with it. After some reflection on what I achieved, I would like to eventually build a backend and implement some RESTful API structure.

#Skills

Front-End	Back End	Source Control	FrameWorks	UI/UX
Javascript ES6	REST / MySQL	Git(Git Flow)	React / Vue.js	Wireframing / UML
CSS / HTML	Postgres / MongoDB	SCRUM / Agile	Laravel / Symfony	Prototyping
HTML / XHTML	Node / Express.js	Github	Sinatra/ Spring	Adobe Suite
Webpack	Ruby / Java	Jira / Bitbucket	Bootstrap	User Stories

#Professional Experience

CodeClan / Trainee Software Engineer

June 2020 - Present : Edinurgh, Scotland

↳Learned fundamental concepts and methodologies in Javascript, HTML5, CSS3, Ruby and Java.

↳Worked in teams creating full stack web applications from the ground up and then deploying them.

↳Executed Vue.js front-end in ES6, with Babel, Webpack, Node.

↳API-based backends written in Ruby, using PostgreSQL.

↳Gained valuable remote working experience

Jackson Steel Structures / Welder, Fabricator

August 2014 - May 2020 : Dundee, Scotland

↳Gained a highly specialised set of skills and upon completion of an apprenticeship was officially certified.

↳Fabricated and manufactured heavy steel components for later assembly.

↳Carried out inspections on welds and components to ensure strength and tolerance.

↳Produced welds to internationally recognised standards.

↳Was responsible for health and safety after completing training at St. Andrew's First Aid and receiving certification.

#Education

Dundee and Angus College / HNC Engineering Practice

2014 - 2018 : Dundee, Scotland

CodeClan / PDA Software Development SCQF Level 8

June 2020 - Present : Edinburgh, Scotland