SAMUEL SHUM

Software Developer

CONTACT ME

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TECH STACK

- **Languages**
  | HTML5 | CSS3 | JavaScript | Ruby | Java | Python | C | TypeSctipt | C# |

- **Frameworks / Libraries**
  | Vue | React | Express | Sinatra | Spring | Flask | DJango | Angular | .NET |

- **Test Driven Development**
  | Pry | MiniTest | Mocha | JUnit | UnitTest | React Testing Library | Jest |

- **Database**
  | MongoDB | PostgreSQL | H2 | SQLLite | Firebase |

- **Version Control**
  | Git | GitHub |

- **Deployment**
  | GitHub Pages | Heroku | Docker |

- **Design Tools**
  | Trello | Draw.io | Canva | Ziteboard |

- **Adobe Suite**
  | XD | Photoshop | Lightroom | After Effects | InDesign | Illustrator |

- **Editing**
  | Sony Vagas Pro | Audacity |

PERSONAL PROFILE

I am a **creative Software Developer** with a passion for creating solutions to complex problems, using my imagination to idea from a concept to a finalized product. With a background as a **Chemist**, **curiosity** and **logic** comes naturally to me, but it wasn't until an implementation of an un-suited management system that sparked me to pursue my passion and **lifelong love** of technology and computers.
Knowing the impact that technology can make, I'm looking forward to using my updated skills to create meaningful **digital solutions.**

PROJECTS

SpaceX | Github | Live |
| Solo | 5-days | React - Typescript |

Frontend project built using the SpaceX API for Launch information. Features include: -
◦ Unit Tested with **React Testing Library**
◦ Type Safety with **TypeScript**
◦ **SCSS** used for styling

Our Shop Best Shop | Github | Live |
| Group | 5-days | React - Spring Boot - MongoDB |

Full-stack e commerce store built with inspiration from Amazon and merchandise from Code Clan as a prototype. Features include: -
◦ Store authentication using **JSON Web Tokens**
◦ **Spring Security** was used to secure Back-end
◦ **React Router** secure routes
◦ Full search and filter capabilities
◦ Basket saving on log in/out
◦ Customer services chat window
◦ **Stripe** was used to process payments
◦ **Semantic UI** used for styling

Hotel Technika | Github | Live |
| Solo | React - Redux - Firebase |

Built to update and build familiarity with new concepts from React 16.8 . This hotel management app was designed to be used by hotel staff member to create rooms, register guests and to book guest into those rooms.
◦ **Firebase Realtime Database** used as a back-end
◦ Features **Firebase authentication**
◦ **Redux** store for state management
◦ Fully built with modern React features such as **functional components** with **hooks** (useState, useEffects, useSelector)
◦ **Material UI** Used for Styling

Spend It. | Github | Live |
| Solo | Angular - Ionic - Firebase |

Progressive web app, allowing users to track their spending to have better control over their finances. Features include: -
◦ Features **Firebase authentication**
◦ **Firebase Cloud Firestore** used as a backend
◦ **Auth Guards** secure routes
◦ **ChartJs** used for a visual representation of finances

EXPERIENCE

ASCO
Peterhead

Site Chemist
Nov 2018 - Dec 2019

My role was to sample and identify different chemical and general waste from offshore oil rigs

- **Analysis**, **Identification** and segregation waste chemicals included regularly **problem solving** and intuition
- Heavily involved in the company's **development** and transitioning to **digital** receipting and stocking system
- During the integration of the new system frequently **teaching** and retraining others, giving **feedback**, **im-provements** and coming up with work around to use this new system
- **Organized** and **led** the chemist team whenever the senior chemist was on holiday

Tesco Extra
Aberdeen

Customer Assistant
Aug 2006 - May 2014

- My role included **tech support** for customer's bringing in broken products for return or repair
- Advising customer purchases including **educating** customers how to use their new purchase
- **Staff training** and **supporting** other departments was included as part of my role

EDUCATION

Build an app with ASPNET Core and Angular from scratch
Dec 2020 - Jan 2021

Udemy -Neil Cummings

Complete Sass & SCSS Course: From Beginner To Advanced!
Nov 2020

Udemy -Joe Parys Peter Sommerhoff

C# Beginners/Intermediate
Oct 2020

Udemy -Mosh Hamedani

Angular - The Complete Guide (2020 Edition)
Sept 2020

Udemy -Maximilian Schwarzmüller

C Programming For Beginners - Master the C Language
Aug 2020

Udemy -Tim Buchalka's Learn Programming Academy, Jason Fedin

Code Clan, Edinburgh
Feb 2020 - Jun 2020

Professional Development Award in Software Development

 - SCQF Level 8

SQA accredited **16-week** Professional Full-stack Software Development course with **800+ hours** of coding while practicing Agile methodologies to teach the fundamentals of software development. Which included topics such as **Object Oriented Programming**, **UX** and **UI Design** aswell as **Test Driven Development**.

University of Aberdeen, Aberdeen
Sept 2015 - Sept 2018

BSc in Chemistry(2:1)

Modules include Analytic methods in forensic chemistry, Analytical atomic spectrometry and speciation, Organic structure determination.

VOLUNTEER

Scottish Tech Army
May 2020 - Present

Web Developer

Pilton Youth & Children's Project
May 2020 - Present

Full Stack Web Developer

HOBBIES

- Escape Rooms
- Board Games
- Photography
- Guitar
- DIY
- Gardening