DAVID JAMES

SOFTWARE ENGINEER

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TECHNICAL SKILLS

Languages
- JavaScript
- TypeScript
- Python
- Java
- C#
- HTML & CSS

Technologies
- Django
- Flask
- Express
- React
- Spring
- ASP.net
- PostgreSQL
- Styled-Components

Other
- Git & GitHub
- Command Line Tools
- AWS Services

PROFILE

Curious and adaptable software engineer with a strong foundation in both frontend and backend development. After transitioning into tech through an intensive bootcamp, I found my passion for using technology to solve real-world challenges. I'm driven by the opportunity to build scalable solutions, integrate diverse platforms, and create meaningful impact with every project.

EXPERIENCE

Software Engineer
July 2024 to present

Kontroll Solutions, Edinburgh

- Implemented API integration between Infraspeak and Odoo platforms, streamlining product, stock level synchronization, and account journals.
- Used webhooks and polling techniques to keep data in sync across platforms.
- Applied AWS services (Lambda, API Gateway, EventBridge, DynamoDB, Secrets Manager, and SNS) to deliver scalable cloud-based solutions.

Software Engineer – Volunteer
Aug 2023 to present

Scottish Tech Army, Edinburgh

- Increased project visibility by automating location data and mapping pins on the STA website using APIs from Jira, Google Maps, and postcode.io.
- Supported backend development for the STA Volunteer App by creating AWS Lambda functions to migrate from Airtable to DynamoDB.
- Gained training in AWS Cloud Development Kit (CDK) and successfully deployed cloud solutions.

Contact Tracer - Test and Protect Scotland
Oct 2020 to Sep 2022

NHS Lothian, Edinburgh

- Conducted in-depth interviews with Covid-19 positive cases. Identified contacts, high risk situations, public health concerns and infection patterns.
- Supporting the rest of the team, sharing knowledge, experience, and best practice to support improvements to overall program.

English Teacher
May 2014 to Aug 2021

Whales English, Beijing, China (Online) / Wall Street English, Ho Chi Minh City, Vietnam (Onsite) / Various Academies, South Korea (Onsite)

- Taught students of all ages and levels in class and social club settings.
- Self-prepared lessons and interactive activities to target receptive and productive skills, providing individual attention, assessment, and feedback.
- Demonstrated strong relationship-building and effective leadership.

EDUCATION

MA International Communication
University of Leeds

BSc (Hons) Psychology
Open University

BA (Hons) Media Studies
De Montfort University

CAREER MOTIVATION

" Technology is not just my career. It's my passion. I am driven by the desire to create solutions that make a difference. "

ACTIVITIES

- Learning new technologies.
- Independent travel to Europe, Asia, and North & South America.
- Hiking and adventure.
- World Cinema.

Treasury Accountant   Jul 2007 to Jan 2014

Avison Young, Birmingham

- Key performer in a highly pressurised target driven environment to reconcile high profile accounts with up to £70 million of monthly transactions.
- Proven abilities in investigating, analysing, and problem solving.
- Resolved complex and challenging problems entailing in-depth investigation.
- Made substantial contributions to improve team efficiency and effectiveness.
- Collaborated with internal and external stakeholders to deliver results.

TRAINING

CodeClan   Sep 2022 to Feb 2023

Comprehensive 16-week programming course. SQA Accredited (Level 8). With over 800 hours of practical coding, individual and groups projects, and expert-led tuition. Included OOP, TDD, UX design, agile methodologies, version control, command line, and pair-programming.

PROJECTS   **View Portfolio**

WeatherWise

Fully responsive Weather app for a user to search 45,000 cities and get 24 hour and 10-day weather forecasts, taking advantage of APIs from openweathermap.org and met.no.

- Python/Django/React
- GitHub: https://github.com/dvdjms/WeatherWise

Recipe Generator

Full stack application using C# and ASP.net, with an Angular frontend. Leveraging OpenAI's ChatGPT API, it allows users to select ingredients from a drop-down menu and instantly generate recipes.

- C#/ASP.net/Angular
- GitHub: https://github.com/dvdjms/Recipe-AI

Learn Scotland

Full stack React application about Scotland allowing a user to interact with quizzes, see scores on a leader board, and post comments. This included a multiple choice, drag & drop, and map location quiz.

- JavaScript/React/Express/Mongodb
- GitHub: https://github.com/dvdjms/Learn_Scotland