James Leach

Full-stack Java developer

✉ contact@jamesleach.dev
↗ jamesleach.dev/cv   →
📞 +447946 496228
⌥ JFL110

I have been developing my coding skills ever since my first website at age eleven. I take pride in writing clean, well-tested code and love taking on a challenge through design to implementation. I enjoy training others and am known for having the knowledge, approachability and practical attitude to help everyone get the job done.

More details and examples of recent work can be found on my online CV.

Development experience

Freelance   `Feb 2020 - present`

Developing an educational product to produce custom worksheets and track progress for STEM subjects.

Designed a cloud-hosted microservice infrastructure to manage users and content that communicates with a React front end. Includes a cost-optimised NoSQL schema and OAuth security.

Created a user-friendly DSL for future developers to add content, in addition to a CI pipeline and integration tests.

ALFA Systems, London   `Feb 2016 - Jan 19`

Software Consultant

Developed, maintained and provided support for a Java-based asset-management software used by lenders across the globe.

Specialised in Data Warehousing with a focus on concurrency, performance and stability. Improved the speed of a several-billion-record Extract Transform Load process from eight hours to less than three, using a combination of schema redesign, SQL query optimisation and Java transformation optimisations. Quickly became an authority in the area and took ownership of key developments in an agile environment.

Conceived and built a number of tools to aid developers and support teams.

Assisted international clients on-site with SQL report writing.

Oversaw proposed changes to the application's database schema, ensuring conventions were adhered to and performance issues avoided.

Supervised and guided the development of junior team members.

Delivered regular training sessions to experienced colleagues and new hires on Java, SQL and internal frameworks.

Anderson Group, Luton   `Dec 2015 - Feb 16`

Software Developer

Took on an interim position after volunteering abroad. Developed in-house workflow systems using C# and MVC patterns.

Education

Imperial College London   `2010 - 14`

MEng. Chemical Engineering

Managed several team projects and brought software skills to the course, running training sessions on LaTeX markup-language and Autodesk 3D modelling software.

Led the restoration of a classic Mini as Car Officer of the Imperial CGCU Motor Club.

Knights Templar School

A-Levels: Maths A*, Economics A*, Chemistry A

AS-Levels: Further Maths A

GCSEs: Ten A*s

Other experience

Building a motorhome and travelling   `Jan 2019 - Feb 20`

Converted a pickup truck to a 4x4 motorhome by designing and building a fibreglass body completely from scratch.

El Ministerio de Educación, Colombia   `Dec 2014 - Dec 15`

Full-Time Volunteer English Teacher

Taught classes of up to forty state-school teenagers as well as improving teachers' English and course materials.

Completed a Cambridge CELTA English teaching course in preparation.

Created an educational Android App to utilise previously unused tablets in the classroom using a C# content server over a local network.

Back end

Java · AWS · Oracle + MySQL · NoSQL · Hibernate · JDBC · Spring · Guice · JUnit · Gradle · C# · REST

Practices

TDD · Integration testing · Continuous deployment · Agile · Training

Front end

Javascript · HTML5 · S/CSS · React + Redux · PageSpeed optimisation

Hobbies

Car mechanics, robotics, inventing

Hiking, camping running