

# CHARLES MONG

## Front-End Web Developer

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Portfolio Site: <https://bit.ly/3mJTLVG>

### PROFESSIONAL SUMMARY

Highly analytical and detail-oriented Engineer with a background in Oil and Gas and Investment Banking. Transitioning to a Web Development career to leverage a unique blend of critical thinking, creative problem-solving, business acumen, and project management skills. Proficient in multiple technologies, and experienced in developing solutions under pressure to optimise business operations.

### TECHNICAL SKILLS

**Programming Languages:** JavaScript ES6+

**Technologies:**

React.js	Next.js	HTML5	CSS	Bootstrap	Sass
Tailwind	jQuery	Node.js	Sanity	Netlify	Vercel
Git	Github	Jest	Figma		

**Others:**

Agile Methodologies, Test-Driven Development (TDD), Behaviour-Driven Development (BDD), User Experience (UX) Design

### PROFESSIONAL EXPERIENCE

**Trainee Front-End Web Developer**, edX / Trilogy Education Services

11/2022 - 03/2023

Leveraged UX design principles, fundamental knowledge of HTML, CSS and JavaScript, and style frameworks to create visually-compelling, intuitive, responsive and accessibility-compliant page layouts.

Learned the fundamentals of object-oriented- and functional programming paradigms, and combined data structures and flow control effectively to write more organised, modular and reusable code.

Retrieved data from servers using RESTful-compliant network API requests such as AJAX calls, Fetch and Axios. Applied DOM manipulation and jQuery in adding data and interactivity to web pages.

Collaborated within a project team to build and deploy two modern API-powered web applications with JavaScript, node.js, React.js and other front-end libraries. Gained experience in Agile development, code versioning and Git branching workflows, resolving merge conflicts, Unit Testing, Test-Driven Development (TDD) for code functionality, and Behaviour-Driven Development (BDD) for front-end UX.

### PROJECTS

**Weightless Weightloss** - Server API, React, React-Bootstrap, deployed on Netlify

A fitness app that helps users to plan and execute workout routines using only bodyweight exercises.

**Perfect Movie Night** - Two Server APIs, jQuery, Bootstrap, deployed on Github Pages

An app used to search, and get info, for movies and TV shows across the biggest streaming platforms.

**Travel Companion Weather App** - Server API, JavaScript, Bootstrap, deployed on Github Pages

A weather app with a five-day forecast that can be used by travellers to plan holidays or trips abroad.

Find out more information about these and other projects in [my Github account](#).

## **PREVIOUS EXPERIENCE PRIOR TO WEB DEVELOPMENT**

### ***Freelance Marketing and Business Strategy Consultant***

2015 - Present

Help domestic and foreign clients with business strategy and entry into new international markets. Coordinate agricultural and health-related projects for organisations such as UNICEF and GIZ in Africa. Created four African agrochemical businesses to provide training and employment within agriculture.

### ***Reservoir Engineer and Petrophysicist, North Energy ASA, Alta Norway***

2013 - 2015

Evaluated oil and gas well prospects by interpreting petrophysical data and performing PVT simulations during research and real-time drilling, to provide technical insights that managed the company's risk.

### ***Freelance Marketing Strategy Consultant***

2009-2012

Maximised the effectiveness and profitability of clients' online and offline marketing strategies. Helped clients in the Education industry to implement technology for tuition, examination and evaluation.

### ***Algo Sales Trader, Lehman Brothers and Nomura Securities, London UK***

2007-2009

### ***Mergers & Acquisitions Intern, UBS, London UK***

Jul - Sep 2006

### ***Examiner and Examination Marker, Pearson Edexcel, London UK***

Jul - Sep 2005

### ***Chemical Engineering Intern, MW Kellogg, London UK***

Jun - Sep 2004

### ***Undergraduate Chemical Engineer, MW Kellogg, London UK***

May - Sep 2003

### ***Undergraduate Process Engineer, Foster Wheeler, Reading UK***

Aug 2002 - Mar 2003

## **EDUCATION**

### ***Master of Arts (MA(Hons) Cantab) in Natural Sciences***

### ***Master of Engineering (MEng) in Chemical Engineering***

Girton College, University of Cambridge

[2003-2007]

### ***Certificate in Norwegian Language for Professionals***

Universitetet i Tromsø, Alta, Norway

[2012-2013]

### ***3 As at A-Level, 3 As at AS-Level***

Greenford High School, London

[2000-2002]

### ***7 A\*s, 3 As and 1 B at GCSE-Level***

Cardinal Hinsley High School, London

[2000]