CHARLES MONG
Front-End Web Developer

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Portfolio Site: https://bit.ly/42nu6RM

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]*