

Adam John Guinea
022 125 6491
adamguinea22@gmail.com
Te Aro, Wellington, 6011

PROFILE: A highly experienced mechanical engineer with a passion for web technology, looking to transfer skills to an industry which is more user focused. Directly relevant to your requirements is experience developing over the full stack, using Object Oriented Programming principles and modern JavaScript frameworks. Contracting as a mechanical engineer at technology companies such as Amazon, Google, and Sony has given experience to Agile work practices and the communication needed to deliver results in large organisations.

SKILLS:

- Portfolio - <https://adamguinea.herokuapp.com/>
- LinkedIn - <http://www.linkedin.com/in/adamguinea>
- Github - <https://github.com/adamGuinea> (for more projects and links to hosted sites)

PROJECTS & STACK:

[stellahart](#) - Online store written with React and GraphQL, tested with Jest

Using Component-Based-Architecture to deliver a reusable and scalable design

- Next.js - Loading pages on demand and server-side rendering
- Apollo Client - Caching data and fetching GraphQL queries
- GraphQL Yoga - Providing server-side logic and payment processing
- Prisma - Queried directly from Yoga server for interacting with a MySQL database

[thelongwayhome](#) - Camping app built using Mongo DB, Express and Node JS

Following RESTful Routing principles for writing maintainable and readable code

- JavaScript - Delivering dynamic page content and response to user interaction
- CSS - Styling responsive user interfaces with vanilla CSS and the use of frameworks
- AJAX - Making in-app comments without the need for page reloading
- Google API - Rendering embedded maps and geolocation

[chatta](#) - Message board with a Node backend API, using React-Redux on the client side

Defining one-way password hashing and JSON Web Tokens using bcrypt

- Mongoose - Modelling data and managing relationships with Mongo DB
- Express - Choosing a minimalist framework for flexibility in the folder structure
- CORS - Notifying the browser to allow for cross-origin requests
- React-Router - Adding an aspect of navigation to the app

[ServerSideRendering](#) - Speeding up load times and providing SEO support with React

Understanding the techniques of loading data on a server-side rendered app

- State Rehydration - Communicating the server-side state down to the browser
- Google OAuth - Using cookies instead of JWTs to handle authentication via a proxy
- Redux - Custom data fetching calls to detect when the page is fully loaded
- SEO - Improving SEO and social media link ability using the Open Graph protocol

CRM - Mobile application built with React-Native and Firebase

Using CRUD operations to render and manage customer information

- Firebase - Handling login behaviour and email authorisation
- Redux DevTools - Debugging state changes
- Linking – Allowing click-through call, SMS and email options

mailPan – Bulk email surveyor using a MERN stack with Google OAuth and billing

Collecting customer feedback with SendGrid, payments handled with Stripe

- Webhooks - Enabling click tracking in my emails to inform my server of user input
- Passport.js - Generating user tokens and passing them to Google for verification
- Webpack – Bundling my Express API and React server for easier development

mountainesque – Sample marketing page for an adventure tour company

Writing a responsive mobile-friendly website template in modern CSS

- Animations - Using keyframes to define transitions
- Media Queries - Assigning break points to change UI between screen sizes
- Flexbox – Determining page layout and distributing space between page content

EMPLOYMENT HISTORY: *(lengthier version provided on LinkedIn)*

Hastings Deering & Key Solutions Group

June 2018-September 2018

Mackay, Australia

Mechanical Fitter

- 10-week overhaul of underground mining equipment for mining client.
- Troubleshooting and diagnostics of faulty systems.
- Complete hydraulic change-out.

Randstad CPE

August 2016-March 2018

London, United Kingdom

Mechanical Maintenance Engineer

- Using building management software to monitor and schedule maintenance requests across various London sites including Sony Playstation, Amazon and Google.
- Exposure to tech company work practices and the projects they worked on is what lit the fire to change my career to software development.
- Written reference available on request.

EDUCATION:

- Certificate III in Engineering - TAFE Skillstech
- Certificate of Completion - St Patrick's College Mackay
- Advanced Web Developer Bootcamp - Udemy
- Google Analytics Individual Qualification

References available on request