Adam John Guinea

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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*
- API's - *Rendering weather data, embedded maps, and geolocation*

chatta - *Message board with a Node backend API and 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 the 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*

latenotes - *File uploading site powered by Amazon Web Services. Written entirely in JS*
Delivering a serverless application with Lambda and AWS API Gateway
- Cognito - *Manages user accounts and controls information access*
- DynamoDB - *Amazon's NoSQL database gives familiar key value pairing*
- S3 - *Hosts the app and organises storage of user uploads*

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