Zeus Ronzan

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SKILLS

JavaScript, React, React-redux, SQL, Sequelize, Python, Flask, SQLAlchemy, CSS, Docker

PROJECTS

Code-to-Memory | *(React/Redux, SQLAlchemy, Python, JavaScript)*   live | **github**

A flashcard app with coding topics focus, in a similar vein as sites such as Brainscape.

- Employed data structures to create an organized list of classes, decks and cards for use as study materials
- Developed a mastery system, using weighted scores for user created decks to assist a user's self understanding of topics.
- Implemented a reactive method of assigning icons relevant to a class depending on the class name and matching object keys.

LegendHood | *(React/Redux, SQLAlchemy, Python, JavaScript)*   live | **github**

A financial stock trading simulator, mimicking the functionality of Robinhood.

- Fetched current data through third party API calls for assets commonly available on other financial apps, displaying data to simulate a trading environment.
- Created an asset detail page to simulate the buying and selling of stocks using up to date financial data.
- Implemented a chart package to display data over different time periods for specific assets.

Street-up | *(React/Redux, Sequelize, JavaScript)*   live | **github**

An urban spin on the community based application Meetup

- Made requests to the GetPostMan third party api to populate US Cities based on state selection during group creation.
- Applied modal forms to allow users to edit groups and events with pre populated data fetched from a sequelize database.
- Implemented React-redux to store and interact with persistent up to date slices of state for frontend functionality.

EXPERIENCE

Project Engineer

Duratec   Aug 2019 - Nov 2019

- Managed multiple scopes working for a contractor specializing in protective coating applications.
- Managed quality assurance documentation. Prepared ITP and coating inspection documents for project scopes using site-specific standards with reference to relevant Australian standards for coating applications of various materials.
- Conducted inspections and prepared inspection reports detailing the works undertaken. Inspection reports ranged from final completion reports for smaller scopes and daily inspection reports for larger scopes.
- Provided solutions to ongoing issues or unforeseen obstacles during the progression of the works, including application in varying weather conditions to access restrictions during coating application.

Project Engineer

Ertech   Aug 2018 - July 2019

- Managed multiple scopes working for a tier 2 contractor on a high-profile project for Chevron in the oil and gas industry. The majority of scopes include earthworks for construction of structural foundations, excavation and backfill of concrete structures, trenching for electrical works, grading of surfaces for chip sealing and reprofiling, structural concrete for foundations and slabs. Project scopes to date have exceeded a worth of AUD$8,000,000.
- Involved in all stages of a project lifecycle for projects on-site. Prepared work packs, material take-offs, project schedules, and MDR document for handover to client.
- Oversaw procurement and logistics of materials, equipment, and plant for projects on site. Reported and tracked procurement from mainland to site utilizing registers.
- Managed quality assurance documentation. Prepared inspection and test plans and field inspection checklist documents for project scopes using site-specific standards and Australian standards for earthworks, concrete, structural steel and lining works.

- Provided solutions to challenges that arise throughout the project lifecycle. Challenges ranged from site specific logistics concerns, to engineering challenges regarding reinforcement detail, excavation benching, and sequencing of construction in areas with restricted movement.

- On site work placement as site engineer for a tailings capping project near Geraldton WA, which involved the surface preparation and lining of a 60000m2 area.
- Manage client and subcontractor liaison. Acted as the main contact point for all client communications regarding the project progress, concerns and queries. Led weekly progress meetings with leaders across varying stakeholder groups.
- Coordinated two teams of up to 14 people, with separate teams for lining and earthworks. Revised the original schedule to reflect changes in scope and organized remaining tasks, which resulted in the on-time completion of the project.
- Oversaw specification conformance, costing, scheduling, quality assurance and variation works related to the earthworks and lining works. Prepared quality assurance and handover documents for all lining works, including to scale AutoCAD drawings.

Quality Assurance Officer, Onslow, Western Australia August 2017 – September 2017
- Coordinated team of 6 contractors conducting repairs on lining material based on a revised specification.
- Estimated material usage and managed resources to ensure materials located on site were sufficient for all repair works.
- Reported to the client regarding progress and projected material usage daily to ensure the time sensitive schedule is adhered to, and potential issues are identified as early as possible.

Quality Assurance Officer, Balama, Mozambique December 2016 – February 2017
- Lived on-site as a quality assurance officer in Mozambique, Africa. Continued the quality assurance testing of a 250000m2 area lined with Bituminous geomembrane.
- Supervised a team of 5 people conducting testing procedures as defined in the specification; performing a range of testing procedures and conducting repairs as necessary.
- Organized progress reports in collaboration with the client; and devised a system for QA documentation to allow for completed sections to be handed over to the client as work progressed.

EDUCATION
AppAcademy - Full Stack web development (JavaScript, Python), 2022
University of Western Australia - *MS Professional Engineering (Civil), 2015-2017*
- US equivalency of Master of Science, Civil Engineering
University of Western Australia - *BS Engineering Science, 2012-2014*