

Zak Al Ashqar

FULL STACK SOFTWARE ENGINEER

ashqarzak@gmail.com > 650-471-9967 > [LinkedIn](#) > [Github](#) > [Portfolio](#) > Bay Area, California

Languages: Python, JavaScript, SQL

Web Development: React, Redux, Flask, HTML, CSS, Node.js, AJAX, Webpack, Render, RESTful APIs

Databases: RDBMS — PostgreSQL

Tools: AWS S3, Git, Visual Studio Code, Jira

PROJECT EXPERIENCE

Yap >> *React • Redux • AJAX • CSS3 • HTML5 • flask • PostgreSQL • SQLAlchemy • Git* [GitHub](#) > [Live](#)

- Applied Redux for global state management, ensuring consistent and accessible data across the app, integrating thunks to manage asynchronous actions, facilitating server data retrieval and synchronization with the app's state.
- Enhanced user authentication, error handling, and validation using WTForms.validators packages, improving the user interface, experience, and transparent error message communication.
- Implemented a user authentication system, utilizing custom Auth to securely hash and store passwords by writing custom middleware to validate CSRF tokens

YummyEats >> *React.js • Flask • AWS S3 • Google Maps API • Git* [GitHub](#) > [Live](#)

- I developed a comprehensive CRUD system for restaurant management that facilitates efficient management for restaurant owners by implementing CRUD actions through a RESTful API. The API was created using Python decorators and Flask blueprints, empowering users to seamlessly manage their restaurants.
- Stored images on Amazon Web Services S3 (AWS) for website speed optimization/reducing server load.
- Integrated Google Maps API with geolocation based searching to display location of venues on a map
- Lowered latency of DB read/write by factor of 7 by using Unicorn to enable virtual multi-threaded processing.
- Lead teammates in identifying the root causes of bugs and potential fixes; used Git to manage branches and features

EzAirbnb >> *React.js • Sequelize • Express.js • PostgreSQL* [GitHub](#) > [Live](#)

- Employed Express-validator middleware for request parameter validation, enhancing data input security and quality by checking data types, verifying against custom validation rules, and ensuring that data conforms to the expected format.
- Leveraged React to create a dynamic user interface, employing components, hooks, and life cycle methods to provide an engaging and responsive user experience.
- Utilized CSS media queries to create a fully responsive, device agnostic design.
- Utilized Sequelize as the ORM (Object-Relational Mapping) tool to streamline database operations, which includes leveraging the query API for complex and optimized database queries, enabling efficient data retrieval and manipulation.

WORK EXPERIENCE

A.D General Services Company >> **Projects Manager** > A.D, UAE

December 2017 – March 2023

- Managed project schedules, analyzed critical paths, and monitored project
- Coordinated communication among teams, stakeholders, and customers
- Monitored project health indicators, facilitating escalations and resolutions

Suraj Group of Companies >> **Project Manager** > Surrey, BC

January 2014 – November 2017

- Spearheaded and Managed multiple medium size projects throughout project life cycle initiation through closing
- constructed detailed work plans into an integrated project schedule, managed teams, achieved milestones, and communicated results across a stakeholder audience.
- Developed and managed project schedules, identifying critical paths and measuring progress

EDUCATION

APP ACADEMY >> Full Stack Web Development

Completed October 2023

The University of British Columbia >> *Master of Engineering Leadership in Clean Energy* > Vancouver, Canada

2016