

Mahesh Khanal

Email: mahesh_khanal@outlook.com | Phone: 985-634-3052 | Location: Austin, TX

Professional Experience

Software Engineer

August 2023-Present

Apple, Austin TX(Hybrid). Contract

- Designed, developed, and maintained reusable React components for the Apple Pay CRM, supporting 50,000+ partners, and managed all aspects of software design, testing, and bi-weekly releases.
- Conducted thorough code reviews for submissions by junior developers and peers, ensuring high-quality code and adherence to best practices.
- Built a tailored commenting platform streamlining communication and decision-making.
- Delivered pixel-perfect UI in line with Apple's design standards and updated Golang APIs to support new features and data export.

Tech Stack : Next.JS, Go, PostgreSQL, MongoDB, React, Typescript, Docker

Full Stack Developer

January 2021-August 2023

Deloitte Consulting LLP, Austin TX (Remote). Fulltime

- Collaborated with 60+ developers across six product teams on the GSA Fleet modernization project successfully migrating legacy systems to modern platforms.
- Implemented security enhancements for the Texas Vehicle Registration System, ensuring compliance with regulations.
- Developed a seamless UX for the TxT web driver's license renewal system, used by millions.
- Built GraphQL APIs for efficient data retrieval from SQL databases.
- Conducted code reviews to ensure high code quality and maintainability, and mentored junior developers to support their onboarding and growth.

Tech Stack : JavaScript, Typescript, React, GraphQL, Sequelize, Jest, API development, Next.js

Research Assistant

August 2018-December 2020

Laboratory for Advanced Visualizations and Applications (LAVA), Honolulu, HI.

- Developed a Map visualization plugin for Grafana using React, Leaflet, and Elasticsearch.
- Built a Heatmap plugin for Grafana to visualize network data using D3.

Tech Stack : Firebase, React, Python, Grafana, Elasticsearch

Software Developer

September 2018-August 2018

David Briggs Enterprises, Inc. Mandeville, LA (Fat Tuesday and New Orleans Original Daiquiris). Fulltime

- Developed over seven in-house applications to digitize operations, improving efficiency in the corporate division and across 70 Fat Tuesday and New Orleans Original Daiquiris locations.
- Built a CRM web application managing over 2,000 pieces of equipment and parts.
- Created a responsive front-end using Bootstrap 3, AngularJS, and Telerik MVC UI.
- Digitized activity logs, reducing paper usage by 80% across all Fat Tuesday and New Orleans Original Daiquiris locations.
- Developed a mobile-friendly web application for generating sales reports on the go using AngularJS.

Tech Stack : ASP.NET MVC, C#, AngularJS, HTML5, CSS3, SQL

Education

University of Hawaii at Manoa, Honolulu, Hawaii

August 2018-December 2020

Master of Science in Computer Science

Southeastern Louisiana University, Hammond, Louisiana

August 2012 – May 2016

Bachelor of Science in Computer Science

Minor in Mathematics

Publications

“The NetSage Measurement Framework: Design, Development, and Discoveries,” IEEE/ACM Innovating the Network for Data-Intensive Science, 2020