

Ashley

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EDUCATION

Indiana University Bloomington (3.75 GPA)

Bloomington, USA

Masters in Intelligent Systems Engineering

May 2024

BMS Institute of Technology & Management

Bengaluru, India

Bachelor of Engineering in Electrical & Electronics

June 2019

TECHNICAL SKILLS

Languages: Go, TypeScript, JavaScript, Python, SASS, HTML5, LESS/CSS3, NoSQL, NodeJS, CQL

Frameworks: React, NextJS, Ant-Design, React-Native, VueJS, Cypress, Bootstrap, Tailwind CSS, ExpressJS, WebPack, Docker

Developer Tools: GitHub, Figma, Chrome/Edge/Moz Dev, gulp, ESLint, Android Studio, PostMan, Redis

Libraries: Redux-Thunk, React, Redux, Fluent-UI, FontAwesome, JSON, Lodash, date-fns, Firebase, Firestore

EXPERIENCE

Wipro Technologies

Pune, India

Senior Software Developer

November 2021 – June 2022

- Implemented **React, Node.js, Express.js, and MongoDB** to build high-performing **full-stack web applications**, driving an enhancement in UI performance
- Led a seamless transition from **JavaScript to TypeScript**, bolstering code quality and security; integrated **JWT authentication** for enhanced user data protection
- Optimized code reliability and coverage through the implementation of **test-driven development (TDD)** methodology using **Cypress and Jest** frameworks.
- Orchestrated the **automation** of 75% of workflows through **Python scripting**

Software Developer

June 2019 – October 2021

- Spearheaded the development and execution of **test web application**, leveraging **Node.js**, to enable comprehensive evaluations of **web components, APIs, performance, and core web vitals**.
- Revamped website user interface using JavaScript, **ReactJS with hooks**, and JSON; **integrated Redux and Thunk** for efficient state management, resulting in a decrease in **deployment** time
- Implemented multithreading and multiprocessing on the server side to enhance performance. Introduced asynchronous functions for handling multiple streams, optimizing concurrency in the system.
- Streamlined collaboration across **cross-functional teams** by implementing **JIRA, Confluence, GitLab, and Bitbucket**; achieved a reduction in project delivery time and boosted stakeholder

PROJECTS

FullStack App Development | *NextJS, TypeScript, MongoDB, NodeJS, Redis*

June 2023 - September 2023

- Made highly performant and scalable web applications using Next.js, implementing **server-side rendering (SSR) and client-side rendering (CSR)** techniques
- Mastered the **backend infrastructure** utilizing **NodeJS** and TypeScript with ExpressJS framework; implemented GridFS, bucket, and bson for **file storage and document management**, drastically reducing disk space usage and fortifying data security

Native Android App | *Python, React-Native, JavaScript, TypeScript, Redux*

April 2023 – May 2023

- Architected and developed an **Android app** with advanced vehicle and crash detection features; leveraged Docker for **efficient deployment** and **load balancing** and reducing crash detection time.
- Applied **React Native framework** to enable **cross-platform support**,

Learning Management Systems | *ReactJS, TypeScript, Firebase*

January 2023 – March 2023

- Developed and delivered a robust **React app** for a university's **learning management system**, **streamlining course management** for 50+ faculty members and empowering 150+ students to submit assignments on time, resulting in improved academic performance and student satisfaction
- Optimized the data and file management system by integrating **Redux-thunk, Redux, and Firebase**, resulting in improvement in **pages loading time** and increase in overall system performance