Aayush Shrestha

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Work Experience

Parkstash _San Jose, CA_

SOFTWARE ENGINEER _May 2020 – Present_

- Developed a customizable admin **Visualization** dashboard for enterprises with **Reactjs** and **D3.js** libraries to facilities services like real time data visualizations, parking lot monitoring and sending abnormality alerts, citation status/payment reporting, event parking reservations management and visualization.
- Actively involved in all the phases of Software Development Life Cycle (SDLC) including analysis, designing, coding, testing, and deployment of the application.
- Used issue-tracking tool JIRA for bug fixing and life cycle traceability, and Confluence for documentations
- Experience with performance optimization for data aggregations with efficient Redis caching, and performance/error monitoring with Sentry
- Applied techniques for cross-browser and cross-platform interface development
- Involved in Units integration, bug fixing and User acceptance testing with test cases.

Louisiana Small Business Development Center _Monroe, LA_

WEB DEVELOPER _Apr 2019 – May 2020_

- Produced well-documented code in a Test Driven Development for a **financial literacy application** targeted to high school students in Northeast Louisiana.
- Involved in **deployment** and configuration of the financial literacy project on **Google Cloud Engine** on **Ubuntu VM** and MongoDB Atlas
- Created a Single Page Application (SPA) with **Angular** for user **tracking/analytics**, sign-ups and wavier application for a Kayaking Service with validated form and digital signature.
- Facilitated various local business them with responsive cross browser support websites, and collectively saved businesses **$53,000** on 2019.
- Involved in various Requirements and Design of the application and active involvement in many aspects of the software development life-cycle **SDLC** adopting **Agile** Software Development Methodology.
- Worked closely with clients to understand the business requirements, and conducted bi-weekly meetings for the status updates.

University of Louisiana Monroe _Monroe, LA_

STUDENT RESEARCHER _Aug. 2017 - July. 2018_

- Operated the diffractometer, and other machines, also assisted in data sorting and analysis.
- Created data visualization tool for the collected data.

Skills

Programming	**Typescript, Java**, Python
Web	**Nodejs(ES6)**, PHP, HTML5, CSS
Frond-end:	**React, Angular**, **React Native**, GatsbyJs, Nextjs, SASS, Bootstrap, Materialize, Antd, Styled-Components, jQuery
Databases:	Oracle, PL/SQL, MySQL, Firebase, MongoDB, Redis
Back-end:	**Hibernate**, **Spring,** Express, Sequelize, TypeORM, Nodemailer, Bluebird, Mongoose, Parsers, bcrypyt
Testing:	Junit, Puppeteer, Jasmine, Karma, Jest, Enzyme, Supertest
DevOps:	**Google Cloud Platform**, **AWS** (EC2, Elastic beanstalk, S3, RDS, Lamda, SES), Heroku, **Docker**, VirtualBox, **Nginx**, Tomcat, PM2
Others:	**Git**, XML, JSON, JWT, OAuth, **REST API**, **GraphQL**, **MVC**, SDLC, Agile, **Linux**, Cloudinary, Sentry, Postman, WebSocket, Swagger, Jira, Confluence

Education

University of Louisiana Monroe _Monroe, LA_

B.S. IN COMPUTER SCIENCE _Aug. 2016 - . May. 2020_

- GPA: 3.6/4.0
- Capstone Project: **Football Schedular** : **https://www.team-platypus.com**

Personal Projects

Dreammy

REACT/REDUX, EXPRESS, MATERIALIZE, STYLED-COMPONENTS, MONGODB, CLOUDINARY**, GOOGLE CLOUD**

- An Online Diary/Social app; Enables user to connect and **Share/Upload content** (audio/video/images) with each other.
- Allows users to make private posts, and comment on public posts. The app implements JWT for User Tokens, Hashed Password for security
- Link: **https://dreammy.aayushh.com**

Google Image Extractor

TYPESCRIPT, EJS, PUPPETEER

- A **Web-Scraping** application that lets user search words and extracts images from Google Images related to the searched keyword
- Link: https://github.com/aayush6194/google-image-extractor

Shorten-Url

NEXT.JS, EXPRESS, NODE.JS, MONGODB

- An application that generates a **Short URL** for the website and creates a redirect to the actual website with the generated link
- Link: **https://short-uris.com**

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Honors & Awards

2019	**Second Place**, ACM Programming Contest	*ULM,Monroe, LA*
2019	**Dean's List**, ULM,Monroe, LA	
2018	**President's List**, ULM,Monroe, LA	