

# Aayush Shrestha

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## Work Experience

### Parkstash

San Jose, CA

SOFTWARE ENGINEER

May 2020 – Present

- Developed an UI with ReactJs 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.
- Developed highly customizable and Dynamic E-Permit Form for Parking Management Systems for Enterprises
- Consumed various first as well as third party APIs like Stripe, Google Maps, Sentry.
- 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
- Developed Web View components for ParkStash IOS and Andriod apps for Event Reservations and Payment.
- 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 INTERN

Apr 2019 – May 2020

- Produced well-documented code in a Test Driven Development for a **financial literacy application** targeted to high school students in North-east 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

<b>Programming</b>	Typescript, Java, Python
<b>Web</b>	Nodejs(ES6), PHP, HTML5, CSS
<b>Front-end:</b>	React, Angular, React Native, GatsbyJs, Nextjs, SASS, Bootstrap, Materialize, Antd, Styled-Components, jQuery
<b>Databases:</b>	Oracle, PL/SQL, MySQL, Firebase, MongoDB, Redis
<b>Back-end:</b>	Hibernate, Spring, Express, Sequelize, TypeORM, Nodemailer, Bluebird, Mongoose, Parsers, bcrypt
<b>Testing:</b>	JUnit, Puppeteer, Jasmine, Karma, Jest, Enzyme, Supertest
<b>DevOps:</b>	Google Cloud Platform, AWS (EC2, Elastic beanstalk, S3, RDS, Lamda, SES), Heroku, Docker, VirtualBox, Nginx, Tomcat, PM2
<b>Others:</b>	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: 3.537/4.0
- Capstone Project: **Football Scheduler** : <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>

# Honors & Awards

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2019 **Third Place**, ACM Programming Contest  
2018 **Dean’s List**, ULM,Monroe, LA  
2017 **Dean’s List**, ULM,Monroe, LA

*ULM,Monroe, LA*