

Sagar Patil

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SUMMARY

- Software Developer with 4 years of professional experience in Product Engineering and Development.
- Full Stack Software Developer Proficient in Node.js, Angular, React.js, and MongoDB.
- Major in Computer Science and Engineering.

ACADEMIC QUALIFICATION

- Master Of Science in Computer Science **August 2023 - Present**
California State University, San Bernardino
- Bachelor Of Engineering in Computer Science **August 2014 - Jan 2018**
KLE Dr.M.S.Sheshgiri College of Engineering, Belagavi
- Diploma in Computer Science and Engineering **July 2011 - May 2014**
B.T. Patil and Sons Polytechnic. Belagavi

ACADEMIC PROJECTS

Title: GPS-based smart navigation system for visually impaired people. **January 2017- June 2017**
KLE Dr.M.S.Sheshgiri College of Engineering, Belagavi

Team Size: 4 **Role: Team Member**

Summary/Description:

The project focuses on developing an Electronic Blind Mobility Aid designed to assist visually impaired individuals when traveling independently. This aid consists of a pair of sensors mounted on a walking stick. It automates the traveling experience for the visually impaired, providing essential information about the duration and destination of their journey, regardless of the means of transportation used.

WORK EXPERIENCE

FrontM Limited. Holborn Viaduct, London, Product Engineer **October 2021 - Present**

- **Project:** I contributed to developing two products, Onship and T2M, using FrontM.js. Onship is a secure seafarer communications and welfare app designed to work over any satellite connectivity system or Wi-Fi network. It supports satellite-optimized VoIP, voice, and video calling.
- **Responsibilities:**
 - ▶ Collaborated with the team to develop a T2M asset tracking and monitoring micro-app using FrontM.js.
 - ▶ Utilized Thuraya Satellite terminals to collect streamlined data from the assets.
 - ▶ Implemented the user interface (UI) and logic using FrontM.js (a JavaScript framework).
 - ▶ Integrated maps for monitoring and tracking the assets.
 - ▶ Employed MongoDB as the database and Kibana for log management.

Wandx Solutions Private Limited (Chainflux.com). Bengaluru

Full Stack Developer **September 2019 - October 2021**

- **Project:** Get My Slice - Android/IOS Application. The Project is about matching the brands offering what the user is looking for based on the user search data.
- **Responsibilities:**
 - ▶ Collaborated with a team to create a hybrid app using React Native.
 - ▶ Developed an admin web app using Angular.
 - ▶ Integrated an Elasticsearch query builder within the Angular app to construct queries.

- ▶ Integrated Firebase Authentication and established a real-time database while deploying Firebase Cloud Functions.
- ▶ Wrote and integrated JavaScript and jQuery scripts to scrape Google Activity data.
- ▶ Integrated AWS CloudWatch to log all requests and responses on the Node.js server.

MinersInc Technologies Private Limited. Bengaluru, Web Developer

March 2018 - May 2019

- **Project:** The Ally - Android/IOS Application. A decentralized blockchain-based OTT Platform.
- **Responsibilities:**
 - ▶ Collaborated with senior developers to manage and solve large and complex problems.
 - ▶ Developed project concepts and maintained an optimal workflow.
 - ▶ Extensive experience in developing interactive web applications using HTML, JavaScript, Angular (versions 2, 4, and 6), Jinja 2, and Bootstrap.
 - ▶ Proficient in integrating Restful APIs for seamless functionality.
 - ▶ Skilled in creating single-page applications using Angular.
 - ▶ Capable of designing and creating Rest APIs using the Node.js Rest Framework.
 - ▶ Active participation in database modeling and architectural aspects of projects.

TECHNICAL SKILLS

Languages: Python, HTML, CSS, Javascript(ES6/7/8) and Typescript

Frameworks/Platforms: FrontM.js, Node.js, ElasticSearch, Angular 2/4/6, React.js & React Native.

Database: MongoDB, MySQL, Firebase RealTime Database.

Courses/ Certifications: Complete Node.js Developer (Zero To Mastery Academy), Javascript: Advanced Concepts (Zero To Mastery Academy), Learning Docker (LinkedIn).

CERTIFICATIONS/WORKSHOPS/ADDITIONAL COURSES

- Complete Node.js Developer (Zero To Mastery Academy).
- Javascript: Advanced Concepts (Zero To Mastery Academy).
- Learning Docker (LinkedIn).
- Attended MongoDB Developer Conference and Blockchain Developer Conference.
- Attended workshops on Ethical hacking and Android development conducted by the Google Developer Students Club at KLE Dr.M.S.Sheshgiri College of Engineering, Belagavi

COMMUNITY INVOLVEMENT

- Conducted a Python workshop for diploma students at B.T. Patil and Sons Polytechnic, Belagavi.
- Taught web development to students in my hometown.
- Conducted math classes for primary school students in 2020 during the COVID-19 pandemic.