

## PURNA SAHITHI ADDURI

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### SUMMARY

Versatile Front-end Developer with 5+ years of experience designing, developing UI/UX web applications. Specialized in AngularJS and React responsive design. Experience with D3 data visualization technologies. Have a good understanding of Web security and OOP concepts

### EDUCATION

**Illinois Institute of Technology, Chicago, IL**

**May 2020**

*Master of Computer Science (Specialized in Software Engineering)*

**Jawaharlal Nehru Technological University, Kakinada, India**

**July 2014**

*Bachelor of Technology in Computer Science*

### TECHNICAL SKILLS

**Web-development Developer:** JavaScript, AngularJs, Angular 7, FLASK, Node JS, ReactJs, HTML5, CSS3, SCSS, REST, AJAX, JSON, HTTP

**Programming Languages:** Java, C, C++, Python, PHP

**Database:** Oracle, MySQL, PostgreSQL, Elasticsearch, MongoDB, SQLAlchemy

**Development Tools:** Visual Studio code, Eclipse, BlueJ, GitHub, Bitbucket, Android Studio, Docker,

**Development Methodologies:** Agile, SCRUM, Waterfall

**Others:** Git, Flask, Sharepoint, SQLAlchemy, Android App Development, Java based Encryption and Decryption, Microsoft Office, Microsoft Vision, JIRA, AWS, EC2

### EXPERIENCE

**Nokia of American Corporation**

**Aug 2019 – Dec 2019**

*Full Stack Developer Co-Op*

- Developed an internal tool that provides a solution to maintain and save data in a central repository.
- Handled backend deployment and hosting an application in AWS cloud platform
- Analyzing the business logic and proving an effective solution to make things better.
- Design and implement web applications that utilize the Angular 2+ framework.
- Build reusable components for data visualization, charting, alerting, monitoring and analytics.
- Developed internal sites using prototypes provided and integrating with office 365 suite applications. Ultimately, to improve organization and business operates to help better support and service our Customer.
- Work cross-functionally with factory software teams and back-end engineers to deliver world class web solutions.
- Participate in code review and architecture discussions.
- Developed a website to transform the user experience and has successfully met the needs of the customer
- Introduce bleeding edge front-end technologies to the team.
- Have strong collaboration skills with internal/external customers and cross-functional teams
- Collaborated with various teams on internal and external projects to identify areas for improvement and build prototypes for development.
- Developed web applications as a creative solution for real business challenges

- Worked industry professionals, learn and benefit from their experience, exposure and mentorship yet we will value your ideas and perspective

## **CloudIO India Pvt Ltd, India**

**Dec 2014 – Jan 2018**

### ***Sr. Applications Engineer***

- Developed Web-based products to provide a user-friendly interface for the end users that increased the productivity of the clients, which enables the clients to upload the reports/documents from their mobile devices.
- Involved in migration and deployment of new developments/changes.
- Represented CloudIO in discussions with clients for problem descriptions and solutions.

### **Web based Application, Innercircle, Breg Inc USA**

- Developed an application that is compatible with Web browsers and mobile devices using Angular Js.
- Replaced a content management system with a mobile application using CloudIO Framework so that it would be accessible to the users (sales reps) outside the VPN network.

### **Statistical reports application, FUTEK Sensor Technology, Inc USA**

- Developed reports using CloudIO framework that connects to multiple databases to retrieve data and displayed in their website with rich look and feel to the end users.

## **ACADEMIC PROJECTS**

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### **ChicagoSocialHub**

- Developed a user-friendly interface to search for the nearest social places, restaurants with its details like address reviews, ratings, the available Divvy docks near that place. Dashboard showing the Animated Heat Map, Bar Chart, Line Chart, and Stacked Bar Chart for the different review counts and ratings for the search results, Angular Google Maps to show the location.
- Technologies used: Angular 7, NodeJS
- Backend: PostgreSQL, Elasticsearch (NoSQL)

### **Improvement of CBC Encryption with Combination of Merkle - Hellman Knapsack Cryptosystem**

- Encryption and decryption of message in secure manner to strengthen the encrypted message being sent by use of discrete logarithms so that only the intended recipient of the message is able to decipher the message using CBC Encryption with Combination of Merkle - Hellman Knapsack Cryptosystem with Shifting Cipher Algorithm
- Programming Language: Java
- IDE: BlueJ

### **Predicting Stocks with Twitter**

- Developed a model that predicts if the stock prices increase or decrease based on the tweets made by the influential people and product buyers or consumers.
- Technologies used: Python, RestAPI

## **CERTIFICATIONS**

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- Certified AWS Cloud Practitioner

## **COMMUNITY SERVICES**

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- Volunteered as a language translator in commencement ceremony at Illinois Institute of Technology, Chicago
- Organized the events in CloudIO India Pvt Ltd to improve the team spirit.
- Was an active participant of the learning and sharing group in CloudIO India Pvt Ltd.