

# Sri Satya Lokesh Karri

Senior Software Engineer

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## Profile

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- Seasoned Senior Software Engineer with extensive experience in developing robust, scalable, and modular applications using Typescript/Node.js.
- Proficient in engineering system design, architecture, and infrastructure tailored to meet the dynamic needs of high-traffic applications.
- Skilled in leading technical upgrade projects, collaborating with cross-functional teams to deliver feature-rich solutions.
- Proven track record of mentoring junior engineers, providing guidance on development strategies and fostering professional growth.
- Specializes in coordinating large-scale software deployments, ensuring seamless transitions and minimal disruption.
- Expertise in healthcare conversational AI development, leveraging Rasa and Microsoft Bot Framework with custom NLP components.
- Recognized for developing highly maintainable, solid code and leading chatbot development teams as a Subject Matter Expert.
- Adept at managing multiple projects concurrently while adhering to rigorous project management methodologies.
- Strong problem-solving abilities and commitment to delivering high-quality software solutions that exceed client expectations.
- Excellent communication skills, with a proven ability to liaise effectively with stakeholders at all levels.
- Dedicated to staying updated with the latest technologies and industry trends to drive continuous improvement and innovation.
- Results-oriented professional with a passion for excellence and a proven ability to thrive in fast-paced, deadline-driven environments.

## Professional Experience

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### Senior Software Engineer

Jul 2022 – Present

Dhan AI 

- Developed multiple robust, scalable, and modular internal and real-time applications using Typescript, Node.js, and Python.
- Engineered system design, architecture, and infrastructure tailored to business needs for applications serving 350,000+ real-time users.
- Led technical upgrade projects for clients, collaborating with consultants and developers for feature enhancements
- Mentored junior engineers, offering guidance on development strategies and educating on innovative techniques
- Coordinated efficient large-scale software deployments to ensure smooth transitions and minimal disruption
- Implemented best practices and coding standards to ensure high-quality, maintainable code across all projects.
- Conducted thorough code reviews and provided constructive feedback to team members to promote continuous improvement.
- Results-oriented professional with a passion for excellence and a proven ability to thrive in fast-paced, deadline-driven environments.
- Adept at managing multiple projects concurrently while adhering to rigorous project management methodologies.
- Strong problem-solving abilities and commitment to delivering high-quality software solutions that exceed client expectations
- Collaborated with cross-functional teams, including product managers and UX designers, to deliver cohesive and user-friendly software solutions.

**Environment** - Node JS, Express JS, REST API Development, Shell Scripting, Python, MSSQL, PostgreSQL, Firebase Authentication, Data Migration, Data Analysis, Docker, Jenkins, Kafka, Zookeeper, Kibana, Git, Github, JIRA, Confluence, Manual testing, Automated testing with typescript JEST, Assessed React JS and React Native.

## **Software Development Engineer**

Apr 2020 – Jul 2022

Dhan AI ↗

- Developing a Health Care Conversational AI using Rasa, and Microsoft Bot Framework with custom NLP components.
- Designed and developed custom components to build a codeless chatbot development platform using Bot framework.
- Wrote highly maintainable, solid code for Chatbots Dashboard, forming a core framework and earning consistent praise from subsequent developers and clients since the initial version.
- Led Chatbot development team as Subject Matter Expert and primary point-of-contact for the team
- Actively contributed to the broader chatbot development community through participation in forums, conferences, and knowledge-sharing initiatives, showcasing expertise and promoting best practices in healthcare conversational AI.
- Integrated third-party APIs and services, such as electronic health record systems and appointment scheduling platforms, to provide seamless functionality within the chatbot interface.

**Environment** - Python, Django, Flask, API Development, Rasa, Microsoft Bot Framework, Google Dialog flow, Conversational AI, Kafka, Docker, MSSQL, MongoDB, Data Analysis, Power BI, Data Visualization.

## **Python Developer Intern**

Sep 2019 – Apr 2020

Synopsys ↗

- Coordinated with hardware and system engineering leads to gather data from different servers and wrote APIs to insert this data into the Elastic Search Database for each time interval.
- Applied change control best practices to Dashboard development processes using Dash and Flask to provide software enhancements without disruptions for end users.
- Assisted in the development and maintenance of the Dashboard application, implementing new features and functionality as required.
- Worked closely with hardware and system engineering teams to ensure seamless integration and compatibility of data collection processes.

**Environment** - Python, Shell scripting, Docker, Kibana, Elastic Search, MySQL, Flask, Dash, Plotly, Pandas.

## **Skills**

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### **Programming Languages**

*Python, Node JS, Typescript, C, Java, Shell Scripting. Proficient in Data structures and Algorithms.*

### **API and Web Development**

*REST, GraphQL APIs with Express JS and Python Django & Flask. HTML, CSS, JavaScript, JSON, jQuery, React JS*

### **Chatbot /Conversational AI Development**

*Rasa, Microsoft Bot Framework, and custom NLP Components for chatbots. Expertise in Generative AI Models*

### **Database Management**

*MySQL, MSSQL, MongoDB, NoSQL, PostgreSQL, Elastic Search, and Redis*

### **Development Tools**

*Docker, Jenkins, Kafka, JMS, Firebase, Kibana, Git, Github*

## **Certificates**

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- Infosys Certified Software Programmer
- Cambridge B2 Certification in English Proficiency
- Certified RASA Chatbot Developer

## **Education**

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### **Computer Science and Engineering, Bachelor of Technology**

*JNTU Hyderabad*

Aug 2016 – Sep 2020 | Hyderabad, India

- Secured CGPA of 8.9/10.
- Developed a chatbot for college which got 1st prize in a project hackathon and won campus-level coding contests. Elected as president of the FOSS Club for 2 years.

## **Languages**

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**English (Cambridge B2 Certification), Telugu, Hindi**