# **Chandrasen Reddy Bireddy**

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# [**https://chandrasenbireddy.github.io/index.html**](https://chandrasenbireddy.github.io/index.html) **|** [**https://www.linkedin.com/in/chandrasenbireddy/**](https://www.linkedin.com/in/chandrasenbireddy/)

## **Skills**

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**Languages:** Java, JavaScript, TypeScript, SQL, Python

**Technologies & Tools:** Angular, Node.js, Express, MongoDB, Git, Docker, Jenkins, Spring Boot, RESTful APIs, Microservices, Agile methodologies

## **Work Experience**

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### **CBL Solutions, Irving January 2023** — **July 2024**

### **Software Engineer**

* Achieved a 25% increase in user profile management efficiency by architecting and implementing a Swagger API for integrating non-T-Mobile MSISDNs for authentication.
* Ensured 100% data security and integrity by implementing robust backend encryption systems.
* Boosted system performance by 40% by migrating token logic from Angular to Node.js.
* Enhanced system reliability and performance by 30% through API rate limiting and caching strategies.
* Reduced technical debt by 50% by refactoring the Node.js codebase, improving code maintainability.
* Accelerated deployment cycles by 30% by streamlining Jenkins and AWS CloudFormation pipelines, reducing errors.
* Achieved 99.9% service availability by implementing comprehensive error handling and recovery mechanisms.
* Delivered 10+ high-quality features on schedule through effective collaboration with product managers and QA teams.
* Java, Spring Boot, Node.js, Angular, Express, MongoDB, Swagger, Jenkins, AWS CloudFormation, JWT.

**Stardust Ventures LLC, Visakhapatnam October 2019** — **November 2020**

### **Software Engineer**

* Increased user engagement by 15% by developing responsive, user-centric front-end interfaces with Angular, HTML5, CSS3, and JavaScript ES6+.
* Built scalable and secure backend systems using Java and Spring Boot with efficient data management through MongoDB.
* Improved database performance by 20% through effective schema design and indexing strategies.
* Accelerated data retrieval by 25% by implementing complex MongoDB queries and aggregations.
* Reduced deployment time by 30% by implementing CI/CD pipelines with Jenkins and Docker.
* Java, Spring Boot, JavaScript, Angular, HTML5, CSS3, MongoDB, Docker, Git, EC2, S3, AWS.

## **Education**

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**Master’s Degree in Computer Science, Houston January 2021 — December 2022 University of Houston-Clear Lake**

Relevant Coursework: Internet Protocols, Concurrent Pgm & SW Modelling, Advanced Operating Systems, Data Base Management System, Design & Analysis Algorithms, Mobile Applications Development, Research Methods In Comp Sci, Robotics, Intro to Machine Learning, Comp Security and Cryptography, Computational Bioinformatics

**Bachelor’s Degree in Computer Science, Visakhapatnam August 2016 — May 2020 GITAM Deemed University**

Relevant Coursework: Data Structures with C, Object Oriented Programming with C++, Programming with JAVA, Operating Systems, Database Management Systems, Software Engineering, Web Technologies, Artificial Intelligence, Machine Learning, Cloud Computing, Cryptography and Network Security