

# SAIMAHITH CHIGURUPATI

Boston, MA | 857-693-9706 | [chigurupati.sa@northeastern.edu](mailto:chigurupati.sa@northeastern.edu) | [LinkedIn](#) | [GitHub](#)

## EDUCATION

**Master of Science in Information Systems**, *Northeastern University, Boston*

Expected April 2024

Coursework: Application Engineering and Development, Web Design and User Experience Engineering, Network Structures and Cloud Computing, Cryptocurrency and Smart Contract Engineering

**Bachelor of Engineering in Electronics & Communication Engineering**, *RMK Engineering College, India*

April 2019

Relevant Coursework: Computer Programming, Object Oriented Programming (OOPS) & Data Structures, Computer Networks

## TECHNICAL SKILLS

<b>Programming Languages</b>	Java, Python, Solidity, Rust
<b>Web Technologies</b>	HTML, CSS, JavaScript, Node.js, React.js, Next.js, TypeScript, MongoDB, Hardhat, MVC, Jest, chai
<b>Tools and Technologies</b>	Linux, AWS, Terraform, Git, CI/CD, MySQL, PostgreSQL, Pega PRPC, REST API
<b>Certifications</b>	Pega Certified Senior System Architect (CSSA)

## WORK EXPERIENCE

**Software Engineer**, *Optum Global Solutions, India*

August 2021 - August 2022

- Played a key role in the design and development of a web and mobile health insurance application for UnitedHealth Group using HTML, CSS, JavaScript, and the Pega PRPC tool
- Implemented custom security event logging using Java to enhance data protection for customer's PHI/PII, reducing potential data breach risk by 95% for UHG
- Received a Bravo recognition award for implementing a key feature in the Application by successfully integrating Adobe Sign and SMS API enabling the business to overcome challenges during COVID-19

**Programmer Analyst**, *Cognizant Technology Solutions, India*

June 2019 - July 2021

- Redesigned the architecture of a loan processing application using modularity principles, improving efficiency, and streamlining future enhancement processes for the developers
- Designed and developed REST APIs as a back end Pega developer for a .NET application and utilized application log files and Splunk tool to effectively troubleshoot and resolve production issues
- Improved code efficiency to enhance application performance by 75%, resulting in faster case processing time for the International Finance Corporation (IFC) Business of the World Bank Group

## PROJECTS

**Webapp & AWS-Infra** (Node.js, PostgreSQL, GitHub Actions CI/CD, AWS, Terraform, Packer)

March 2023

- Developed and successfully deployed a high-performance web application using Node.js on AWS EC2, with seamless integration of AWS services such as RDS, S3 Buckets, Route 53, CloudWatch and Namecheap DNS
- Utilized Github Actions CI/CD to ensure a smooth deployment process and maintain code quality
- Utilized Infrastructure as Code principles and HCL language with Terraform to create a scalable and reliable infrastructure on AWS, including VPC, subnets, security groups, and other essential resources
- Additionally, created an efficient deployment process by developing an AMI using Packer and Bash scripting

**Dutch Auction** (Solidity, TypeScript, Hardhat, React.js, chai, ethers.js)

February 2023

- Developed a robust decentralized upgradeable NFT Dutch Auction platform utilizing the ERC721 and ERC20 standards ensuring platform security through thorough testing and generated Solidity coverage reports to verify complete functionality.

**Easy Track** (HTML, SCSS, React.js, Node.js, MongoDB)

December 2022

- Collaborated with a team of four to design and build a web application using MERN stack following MVC design pattern, providing salaried individuals with an easy way to track their income and expenses
- Implemented a productive application by designing efficient RESTful API's and creation of a user-friendly interface with built-in analytics to improve user experience

**Package Delivery System** (Java Swing, OOPS, Google Maps API, MySQL)

November 2022

- Collaborated with a team of three to design and develop a robust and reliable Package Delivery System for B2B and B2C using Java Swing and MySQL
- Improved B2B user efficiency by 85% through proper data management and visualization using graphs, and integrated Google Maps API for enhanced end-user convenience