Satyam Shree

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WORK EXPERIENCE

Software Developer *Jul 2022 – Present*
Cast Software, Bangalore, India
https://www.castsoftware.com/

- Proficiently utilized Go, Python, React, Shell Script, and Batch Script within various projects.

- Designed and implemented APIs in Go and Python microservices, while architecting and developing the supporting frontend UI using React.

- Developed intricate frontend UI implementations utilizing React, with meticulous consideration for high-volume data requirements.

- Created and maintained Jenkins pipelines for generating distributable executables and integration tests for microservices, spanning both Windows and Linux environments.

- Developed automation tools using Python, streamlining diverse high-level processes such as ETL, data migration, data discovery, and data backup/restore functionalities.

- Leveraged Docker for containerization and CLI-based delivery solutions, instituting pipelines for automating deployment processes.

- Contributed significantly to product stabilization and supporting tool enhancement initiatives, augmenting test case coverage by 47%.

- Improved performance by optimizing Cypher queries and backend controllers, notably decreasing API response time by 60-70%.

- Revamped the product architecture to enhance scalability for a SaaS version, including a thorough analysis to identify system bottlenecks and implementing strategic solutions to resolve them.

- Developed and integrated a new microservice from inception to deployment using Flask and Langchain technologies, enabling advanced AI features.

Full Stack Developer Intern *Mar 2022 – Jul 2022*
we45, Bangalore, India
https://www.we45.com/

- Created comprehensive security labs tailored for SQL injection testing on both Django and Node.js-based servers.

- Developed a command-line tool in Python proficient in managing DigitalOcean droplets, integrating AWS Cognito, KMS, Stack Compose, and serverless Lambda.

- Collaborated on API development using serverless Lambda and Python for new features.

EDUCATION

B.E. in Computer Science and Engineering *Jun 2019 – Apr 2023*
Sir M. Visvesvaraya Institute of Technology
CGPA: 8.95

SKILLS

Programming Languages: Python, JavaScript, Go, HTML, CSS, Batch Script, Shell Script
Frameworks: React, Django, Flask, Vite, Langchain, Serverless
Tools: Jenkins, Git, Docker, AWS, Neo4j

PERSONAL PROJECTS

Visual Sort *Feb 2021 – Mar 2021*
A sorting algorithm visualizer tool which shows the steps of selected sorting algorithms in graph form.

PassVault Web and CLI *Apr 2021 – Jun 2021*
Secured password storage system which encrypts passwords using a custom password encryption algorithm. Front end available as web interface (React) and command line interface (Typer in Python).

Storty, a URL Shortener *Aug 2022 – Sep 2022*
A URL shortener API with an advanced dashboard for URL statistics, built using Django and React.

FakeyApis *Sep 2022 – Present*
An API for generating loads of fake/dummy data using specific format provided in JSON file. Includes an easy-to-use front end which automatically generates JSON files for creating dummy data.