



SAILESH KOTI

Senior Software Engineer

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Texas, USA

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Portfolio

LANGUAGES

C

C++

Python

NET

Ruby

Groovy

JavaScript

TypeScript

Shell Script

ABOUT ME

Highly motivated and results-driven Software Engineer with a strong academic background, extensive project experience, and a successful track record of securing a coveted position at Mastercard. Have excelled as a key member of the Continuous Deployment team, leveraging my expertise in Chef Infrastructure and Habitat toolsets to automate manual development tasks and streamline deployment processes on Linux platforms.

FRAMEWORKS

Spring Boot Angular

React

TensorFlow

Keras

Pytorch

NLTK

Flask

REST APIs

Demonstrated exceptional leadership, communication, and problem-solving skills; worked effectively with cross-functional teams and drove successful outcomes. Whether working on large-scale projects or smallscale initiatives, I always prioritize quality and customer satisfaction, ensuring that every project undertaken meets or exceeds client expectations. Recognized for my exceptional technical skills, leadership abilities, and commitment to excellence Received multiple awards and accolades for my contributions to software development projects.

WEB TECHNOLOGIES

HTML

CSS

XML

ReactJS

Angular

Django

I was appreciated twice in successive quarters (Q3 2022 and Q4 2022) becoming the first software engineering program member to achieve this feat, by working above and beyond than what has been assigned and for delivering things on time with the utmost efficiency and to my functional abilities in understanding business requirements. These opportunities and appreciations have given me immense satisfaction in my career.

TOOLS

Kafka

Chef

Ansible

Docker

Kubernetes

Dynatrace

Jfrog

Pivotal Cloud Foundry

Elastic Search

Jenkins

Splunk

Jira

Bitbucket

Github

Eureka

Zuul

Service now

EXPERIENCE

Senior Software Engineer | MASTERCARD INTERNATIONAL

Feb 2022 – Present

Texas, USA

- Manage and continuously improve the release process for internal and external web applications.
- Implement Chef Server and Chef Solo, including bootstrapping of Chef Client nodes for provisioning. Develop Chef Cookbook recipes to automate the installation of Middleware Infrastructure, such as Apache Tomcat and JDK, and configuration tasks for new environments.
- Contribute to the creation of playbooks for Ansible and oversee the deployment of applications using Ansible.
- Design Ansible playbooks to streamline the containerization and deployment of applications.

Selected Career Benchmarks :

- Utilized powerful DevOps tools, including Terraform and Cloud, to easily automate infrastructure and platform components.
- Implemented a robust continuous delivery framework in the Jenkins environment, creating pipelines for Jenkins jobs that seamlessly integrated with GitHub.

- Expertly set up Chef servers, chef workstations, and chef nodes while skilfully bootstrapping new infrastructure chef nodes.
- Demonstrated exceptional expertise by creating a cutting-edge CI/CD pipeline in Jenkins, seamlessly integrating with a GitHub repository, and running builds using Ansible build and deploy scripts.
- Using Bitbucket and Gitbash, I handle our code changes and ensure everything is organized and easy to track.
- With Jenkins, I automate our build and test processes. This means our software is always ready to go, without manual steps each time.
- I regularly write scripts in languages like Ruby, Groovy, and Python. This helps automate repetitive tasks, saving time and reducing errors.
- Docker is a key tool I use to make sure our software runs the same way in every environment, whether it's a developer's laptop or our main servers.
- A lot of my work is on Linux servers, where I ensure that everything runs smoothly and efficiently.
- My focus on CI/CD practices means that we can release new features and updates quickly and reliably.

Teaching Assistant | AUBURN UNIVERSITY

📅 MAY 2021 – AUG 2021

📍 Montgomery, AL

- Collaborate with professors to deliver lectures and tutorials, providing students comprehensive support and guidance throughout their coursework.
- Create and maintain an organized and efficient learning environment, ensuring students can access the resources and tools they need to excel.
- Foster participation and engagement through lively class discussions and activities encouraging critical thinking and analysis.
- Provided personalized one-on-one assistance to students, offering individualized guidance and support to help them achieve their academic goals.

Selected Career Benchmarks:

- As a Graduate Teaching Assistant I've involved in facilitating advanced network security concepts and practices.
- My role includes assisting in lab setups, evaluating security protocols, Grading, Research and Content Development.
- Contributed to cutting-edge curriculum development.
- This position offered me a unique platform to enhance my technical skills in cybersecurity and to mentor students in this rapidly evolving field.
- Managed the college website, including content administration and grading tests and projects.
- Provided regular assistance to students in an application development course covering Spring Boot, React, and Django.
- Delivered informative class presentations to offer real-world insights into development practices.

Technical support Engineer | MOLVENO CONSULTING

📅 JAN 2020 – OCT 2020


📍 HYDERABAD, INDIA


- Demonstrate exceptional customer service and communication skills in a fast-paced, deadline-driven environment, ensuring that all client needs are met professionally and efficiently.
- To quickly diagnose and resolve technical issues, utilize advanced hardware and software troubleshooting tools, including shell scripting.
- Collaborate effectively with other technology teams to define, standardize, and communicate end-user support processes, streamlining operations and improving overall service delivery. Oversee the resolution of technical issues, utilizing keen problem-solving skills to identify opportunities for process improvements and increased efficiency.

Selected Career Benchmarks:

- Participated in-person meetings with clients to analyze, troubleshoot, and diagnose hardware problems, demonstrating a commitment to delivering exceptional customer service.
 - Proactively update, maintain, and monitor all aspects of computer networks, ensuring optimal performance and minimizing downtime.
 - Install and configure computer systems and applications within the company, leveraging expertise in hardware and software to support business operations.
 - Expertly took ownership of customer technical issues, ensuring effective resolution from initial report to final solution.
 - Demonstrated strong ability in researching, diagnosing, and troubleshooting complex software and hardware problems.
 - Provided high-level customer assistance via phone, email, and chat, skilfully guiding clients through technical issues.
 - Gained hands-on experience with Windows/Linux/Mac OS environments, effectively addressing a wide range of tech-related queries.
 - Excellently managed and prioritized multiple open issues, ensuring all were properly logged and followed through to resolution.
 - Developed comprehensive technical documentation and maintained strong customer relationships through clear, concise communication.
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Web Developer | Sliq IT Solutions

 NOV 2018– MAY 2019

 HYDERABAD, INDIA

- Collaborate with a team of experienced developers to design and implement cutting-edge web applications, contributing to the full software development lifecycle.
- Develop and maintain clean, efficient, well-documented code, adhering to industry best practices and standards to ensure optimal performance and scalability.
- Conduct in-depth testing and debugging of web applications, utilizing advanced diagnostic tools and techniques to identify and resolve technical issues.
- Utilize a wide range of programming languages, frameworks, and libraries, including HTML, CSS, JavaScript, React, and Node.js, to build dynamic and responsive web experiences.
- Stay abreast of emerging trends and technologies in web development, continuously expanding knowledge and skills to deliver innovative solutions that meet the needs of clients and end-users.

Selected Career Benchmarks:

- Developed complex client applications with parent-child components, utilizing NodeJS, Bootstrap, and React to deliver robust and scalable solutions.
 - Implemented advanced user authentication and account transfer functions, leveraging Auth0 and crypto technologies to enhance security and improve overall user experience.
 - Optimized data-binding time by 30%, utilizing JSX to visualize patterns in multiple data sources and provide actionable insights to stakeholders.
 - Proficient in HTML, CSS, and JavaScript and created responsive website layouts and user interfaces for optimal user experience.
 - Excelled in diagnosing and resolving complex web development challenges, optimizing code, and ensuring seamless functionality.
 - Collaborated effectively with web designers, developers, and IT professionals, leveraging strong communication skills to contribute to team success.
 - Provided comprehensive support in all project phases, from concept to deployment, with a keen focus on maintaining detailed software documentation.
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EDUCATION

Master of Science in Computer Science | [AUBURN UNIVERSITY At MONTGOMERY](#)

📅 Jan 2021 – Dec 2021

📍 montgomery, AL

- GPA: 3.80/4.00
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Bachelor of Technology in Computer Science and Engineering | [ST. MARTIN'S ENGINEERING COLLEGE](#)

📅 Aug 2015 – Aug 2019

📍 HYDERABAD, INDIA

PROJECTS

On bias-variance error estimation |

📅 November 2021

- Constructed an in-depth study on why learning algorithms fail to learn a task.
 - Analyzed how accurate bias-variance estimates are in characterizing a model and how bias-variance errors be used to provide more insight into task complexity.
 - Demonstrated the working implementation of unified bias-variance decomposition and its efficacy on synthetic and real-world datasets in varying complexity and dimensions.
 - Compare the bias-variance error estimates with the Kullback-Leibler divergence to prove model accuracy.
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Data Analysis and Visualization of Green Taxi Records |

📅 April 2020

- Utilized Amazon S3 to store the data with 90 million rows and various models to predict customer behavior.
 - Applied machine learning algorithms involving Multiple linear regression on Amazon SageMaker to train a model that makes future data predictions.
 - Achieved an accuracy of 92
 - Created a lambda function triggered through API Gateway to invoke the trained model.
 - Used Amazon QuickSight to visualize the data and results.
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Fuel Price Prediction System |

📅 March 2019

- Developed a web application to predict fuel prices based on various factors like the amount of fuel requested, seasonal price adjustments, history of customers, location, etc.
- Used Spring Boot framework as the backend to make necessary calls and required functionalities for the website and followed the Agile methodology to implement software design practices successfully.
- Designed multiple web pages using JSP, HTML, CSS, and JavaScript.