

Shaunak Sunil Deo

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EDUCATION

Syracuse University, Syracuse, New York.
Master of Science in Computer Science.

August 2022 – May 2024
GPA: 3.7/4

Vishwakarma Institute of Technology, Pune, India.
Bachelor of Technology in Computer Engineering.

August 2018 – June 2022
GPA: 3.6/4

TECHNICAL SKILLS

- Programming: Python, JavaScript, Java, C++, C, Bash, Kotlin
- DevOps: Git, Docker, Kubernetes, Terraform, SaltStack, CI/CD, Ansible, Jenkins, Linux
- Databases & Cloud Technologies: Azure, AWS, SQL, MongoDB, PostgreSQL, Firebase
- Web Development: HTML, CSS, jQuery, React, NodeJS, JSON, XML, PHP, Express.js
- Other tools: REST APIs, Slack, Jira, Junit, Selenium, Visual Studio, Agile Methodologies

EXPERIENCE

Software Development Intern

June 2023 – December 2023

PTC

Boston, Massachusetts

- Accomplished streamlined resource management and enhanced operational efficiency by pioneering a tagging system for Azure and AWS resource groups using SaltStack and Terraform, optimizing over 500 resources.
- Reduced monthly infrastructure expenses by 15% by analyzing Azure billing data and implementing strategic cost-saving measures.
- Devised and executed a Python script to automate the cleanup of unused developer resources, which markedly reduced manual errors by 20% and yielded operational savings of \$100,000.
- Revolutionized release management and deployment reliability by engineering Python scripts for automated Git tagging and streamlining change tracking across 8 repositories, coupled with Docker for robust containerization of applications.
- Optimized resource administration and improved deployment efficiency by 30% across 10+ clusters by orchestrating a Kubernetes namespace generation system and aligning resource groups for streamlined operations.

Robotic Process Automation Developer

June 2023 – Present

iConsult Collaborative

Syracuse, New York

- Led a specialized team in leveraging Python and GCP for automating text extraction from over 1,000 TIFF images, employing OCR technology to boost processing efficiency by 40% and reduce manual effort.
- Architected a cloud-based solution using Google Cloud Storage and Vision API for scalable and accurate text analysis, culminating in a 50% reduction in data processing time.

Software Engineering Intern

August 2021 – June 2022

PTC

Pune, Maharashtra

- Designed and executed over 100 comprehensive test cases and created 25+ automation scripts from scratch for a new product deploying Selenium, Java, and JavaScript to streamline deployment and testing processes.
- Implemented Jenkins Pipelines to automate build, test, and deployment processes, 30% increase in efficiency, a 20% reduction in human error, and a 25% improvement in overall software quality.
- Spearheaded the enhancement of product capabilities by producing detailed specifications and strategic plans for technical projects, resulting in a notable 40% surge in efficiency.

Web Development Intern

May 2019 – June 2019

Janata Sahakari Bank Ltd.

Pune, Maharashtra

- Redesigned the bank's website, elevating user experience and performance by 30% with sleek interfaces crafted in HTML, CSS, JavaScript, and React, while bolstering backend efficiency with Node.js and PostgreSQL integration.
- Collaborated with senior developers to optimize website code for better efficiency, adhering to industry standards and web functions.

PROJECTS

Cloud-Enabled Django Application with CI/CD Pipeline

- Engineered and deployed a Django-based To-do application on AWS EC2, integrating a Jenkins CI/CD pipeline with Docker to streamline deployment and enhance cloud service performance.
- Technology: Python, AWS EC2, Jenkins, Docker, Django.

LinkedIn Profile Scraper

- Built a web scraper using Node.js and Selenium to extract and analyze data from LinkedIn profiles and store it in a CSV file, implemented a React front-end for users to input profile URLs and view parsed information.
- Technology: React, Node.js, Express.js, CSS, JavaScript, HTML, Selenium.

Social Network Analysis of Twitter Users: Crawling Followers and Analyzing the Graph

- Designed a social network analysis project using Twitter APIs, crawling followers to build a network graph and analyzing its properties, including average distance and diameter, to gain insights into user behavior and connectivity.
- Technology: Data Mining, Python, Twitter API, NetworkX, Matplotlib.