

MIDDHUN RAGHUNATHAN

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Summary

System Engineer at TCS with 3.3 years of experience in Azure Cloud and AVD Infrastructure. Currently transitioning into a DevOps Engineer role, with hands-on knowledge in CI/CD pipelines, containerization (Docker, Kubernetes), cloud automation, and Infrastructure as Code (Terraform). Passionate about implementing DevOps practices to improve deployment speed, reliability, and scalability.

"The only way to do great work is to love what you do." – Steve Jobs

Education

Nandha Engineering College, B.Tech in Information Technology Aug 2018 – May 2022

- GPA: 8.25/10
- **Coursework:** Cloud Computing, Python, DSA Basics
- **Achievements:** Developed a knowledge in Basic DSA, Web App Developments, Cloud Concepts.

Experience

System Engineer, Tata Consultancy Services – Chennai, Tamil Nadu Aug 2024 – Present

- Transitioning into **DevOps**, focusing on **CI/CD pipelines, Docker, Kubernetes, Terraform, and automation scripting**.
- Automated repetitive Azure infrastructure tasks, reducing manual effort by **10–15%**
- Assisted in deploying and configuring **15–20 test environments**, improving internal release cycle efficiency.
- Collaborated with development teams to integrate cloud resources with deployment pipelines, increasing deployment success rate by **10%**.
- Implemented **monitoring dashboards and alerts** for internal cloud systems to enhance system reliability and reduce incident response time.

Assistant System Engineer (including Trainee period), Tata Consultancy Services Jul 2022 – Aug 2024
– Chennai, Tamil Nadu

- Contributed to a large-scale Azure Virtual Desktop (AVD) migration, deploying over 1000+ machines from on-premises infrastructure to Azure.
- Developed strong expertise in cloud infrastructure, virtual desktop deployment, and identity management while collaborating with cross-functional teams.
- Gained hands-on experience with Azure Active Directory (Azure AD) to manage user access and permissions securely in a cloud environment.
- Managed ticketing processes to ensure seamless workflow and executed regular changes without major outages.

Projects

Spotify Clone github.com/MiddhunRaghu/Spotify

- Developed a **dynamic music player** with **play/pause functionality** using **JavaScript, React JS, HTML, and CSS**.
- Reduce component redundancy by **25%** through modular design.
- Optimized UI rendering to improve load time by **15%**.
- **Tools/Technologies:** JavaScript, React JS, HTML, CSS, RESTful APIs, VS Code, Git

Weather Finder

github.com/MiddhunRaghu/WeatherApp

- Developed a responsive web app to display real-time weather data by integrating the **OpenWeatherMap API** using **asynchronous JavaScript (fetch API & Promises)**; implemented intuitive search functionality with dynamic user interface updates for temperature, humidity, wind speed and weather icons.
- Applied **modular JavaScript architecture** and clean **DOM manipulation** for maintainability; deployed via **GitHub Pages**, showcasing skills in **API integration**, **version control**, and **front-end deployment**.
- Tools used: vs. code, GitHub, browser

Thirsty-Lion-Coffee-Shop

github.com/MiddhunRaghu/Thirsty-Lion-Coffee-Shop

- Built a **visually engaging coffee shop website** with a **video background** on the landing page and smooth scroll-based animations using **React JS** and **AOS (Animate on Scroll)**.
- Designed responsive UI components and optimized interactive elements for a seamless user experience.
- **Tools/Technologies:** React JS, AOS, JavaScript, HTML, CSS, VS Code, Git, Adobe Photoshop

Technologies

Operating Systems & Scripting: Ubuntu Linux, Shell scripting, Bash, PowerShell

DevOps & CI/CD: Jenkins, GitHub Actions, CI/CD pipelines, release management

Containerization & Orchestration: Docker, Kubernetes

Infrastructure as Code: Terraform,

Cloud Platforms: Azure (AVD, Azure AD, Azure Monitor), basic AWS exposure

Version Control: Git, GitHub

Programming & Scripting: Python, Java, JavaScript, SQL (basics)