**Boopathy | Software Developer**

+91-63830-34978 • sboopathys98@gmail.com

**PROFILE SUMMARY**

Software Developer and DevOps Engineer with a proven track record of implementing scalable backend systems using Python, Django, and AWS. Experienced in designing secure APIs, automating workflows, and integrating cutting-edge solutions like LinkedIn API and GPT. Skilled in CI/CD pipelines (Jenkins, GitHub Actions), Kubernetes, Terraform, and database migration, ensuring high-performance and reliable applications.

**WORK EXPERIENCE**

**Sense7ai Data Solution Pvt Ltd -** *Software Developer* May 2023 – Present

* **Integrated LinkedIn API**, resulting in a 30% increase in user engagement by enhancing recruitment data collection and user interaction.
* Developed an **automated email notification system** using Django REST API, streamlining communication and improving recruitment workflow efficiency.
* **Led AI integration** to analyze candidate resumes, providing structured insights to improve recruitment processes.
* Deployed a Django backend application on **AWS EC2**, optimizing server configuration for performance and security.
* Configured and maintained **subdomains, email routing, and SSL certificates**, improving web security and user experience.
* Administered **DNS settings** for domains hosted on Hosting Raja, ensuring accurate domain mapping, uptime, and efficient troubleshooting.

**Sense7ai Data Solution Pvt Ltd,** Backend Developer Intern Aug 2022 – April 2023

* Successfully **migrated databases during critical operations**, ensuring minimal downtime and maintaining data integrity.
* Experienced in user management, implementing secure login systems, and automated password reset workflows, including scheduled password notifications.
* Successfully **set up and deployed applications** on **on-premises servers**, ensuring optimal configuration and performance for production environments.
* Collaborated with the team to optimize server architecture for seamless application deployment.

**Nouveaux –** Internship in Application Engineer January 2022 – April 2022

* Managed social media platforms, creating engaging content that improved user engagement and follower growth.
* Analyzed campaign performance using tools like **Google Analytics**, providing actionable insights to refine strategies.
* Collaborated with cross-functional teams to design and deliver marketing materials, aligning with brand goals.
* Gained practical understanding of Tungsten Inert Gas (TIG) welding, including equipment handling, safety protocols, and material joining techniques for precision and high-quality welds.

**PROJECT EXPERIENCE**

**ZITA ATS** March 2023 – Present

* Designed and implemented a Python Selenium-based scraper to extract **real-time LinkedIn profile data**, including contact details, improving recruitment lead generation.
* Enhanced system reliability and ensured compliance with data scraping best practices.
* Deployed a **frontend application on AWS Amplify**, enabling scalable updates with integrated CI/CD pipelines.
* Ensured seamless user experience by configuring **custom API Gateway domains** and managing DNS records in **Route 53**.
* Implemented **scheduled database snapshots** for automated backups, improving disaster recovery and database security.

**ZITA API Service** September 2024 – Present

* + **Implemented Swagger for API Documentation**, customizing and integrating Swagger UI to provide clear, interactive references for seamless API consumption and testing.
  + **Configured and managed DNS records** in AWS Route 53, enabling efficient domain routing and integration with cloud services.
  + **Customized AWS API Gateway domain** and managed SSL/TLS certificates using AWS Certificate Manager, ensuring secure and reliable API access.

**Multi-Platform CI/CD Implementation**

* + Developed and automated CI/CD pipelines across **GitHub Actions**, **Jenkins**, **GitLab CI**, **Azure Pipelines**, and **AWS Code Pipeline**, streamlining build, test, and deployment workflows. ￼
  + Enhanced deployment efficiency and reliability through end-to-end automation for diverse environments.

**Multi-Cluster Deployment with GitOps (Argo CD)**

* + Automated Kubernetes cluster deployments using **Argo CD** and the **GitOps** methodology, ensuring scalable and reliable infrastructure.
  + Transitioned from traditional delivery methods to automation with **Shell scripting**, **Python**, and **Ansible**, improving consistency and reducing errors.
  + Designed a version-controlled CI/CD pipeline for seamless multi-cluster synchronization.

**End-to-End DevOps for Golang Web Application:**

* + Built a DevOps workflow featuring multistage Docker builds, Kubernetes manifests, and CI/CD pipelines using **GitHub Actions** and **Argo CD**.
  + Configured Kubernetes clusters with **Helm** for multi-environment deployments, set up Ingress controllers for traffic management, and mapped the application to a domain using DNS.
  + Delivered a fully automated CI/CD demonstration showcasing deployment best practices.

**EDUCATION**

**Nandha Engineering College, Erode April 2023**

*BE Mechanical Engineer*

Cumulative GPA: 85.6

**RELEVANT COURSEWORK**

AWSServices Solutions Architect - Associate | Cloud Computing | AWS Educate with Database | Oracle cloud Infrastructure

**MEMBERSHIPS AND ASSOCIATIONS**

Amazon Web Service Skill Builder April 2023 – Present

* Enhanced cloud expertise through AWS Skill Builder by completing hands-on projects and courses focused on AWS services, including infrastructure setup, automation, and deployment, aligning with industry best practices.

**TECHNICAL SKILLS**

Python | Django | Amazon web service | MySQL | Docker | Terraform | Kubernetes | Observability | Azure | GitHub Action | Shell scripting

**INVOLVEMENT EXPERIENCE**

* I am engaged in the **AWS Educate** program, which provides hands-on learning resources and tools, enhancing my understanding of cloud infrastructure.
* I completed **AWS Skill Builder** challenges focused on key cloud technologies, including **EC2, S3**, and **Lambda** to improve cloud skills.
* Participated in gamified learning modules, applying AWS services in gaming applications to simulate real-world use cases of cloud computing.