

Internship Presentation Script

Internship at Simpsoft Solutions

Good morning/afternoon, everyone. My name is Sayan Banerjee, and I'm here to present the work I did during my internship at Simpsoft Solutions. My internship started on 17th March 2025, and is currently ongoing.

About Simpsoft Solutions

Simpsoft Solutions is an IT solutions company that works with several global clients like AgriScout, Salesforce, and Credence Analytics. Apart from client services, they have a product-based platform called SSuites – a no-code framework that lets users build websites without writing any code. The company uses a wide variety of technologies across languages, databases, cloud platforms, and DevOps tools.

SSuites Platform

SSuites is a framework that simplifies website development using component-based architecture and real-time configuration. During my internship, I used SSuites to develop a dynamic blog system, including backend configuration and custom features.

My Tech Contributions

My responsibilities included developing APIs, debugging, and enhancing backend logic. I used Node.js with AWS services like Lambda and DynamoDB. I tested APIs using Postman, used Serverless Framework for deployment, and managed code using Git and GitHub.

Console Log Centralization & AWS Cost Optimization

To optimize AWS CloudWatch costs, I created a centralized console utility function. This utility accepted unlimited inputs and an 8-bit binary flag, like 11100000, where each bit controlled log levels – like log, warn, and error. By disabling logs in production, we minimized redundant logging and saved AWS costs.

Backend Bug Fixes

I fixed several backend issues, including: Child-parent conflict in menu deletion, Duplicate user creation in a workspace, Datetime search and storage issues, and User deletion from workspace. These fixes improved data consistency and user management.

Feature Additions

I also worked on new features like: Removing parent workspace ID from response, Custom dashboard links, and Sorting dashboard icons. These enhancements were directly based on client needs and made the product more usable.

Blog Site Features

Using the SSuites platform, I built a dynamic blog system with: Post creation, Layout customization, Role-based access, Fully customized backend configuration. This was a complete end-to-end project that tested both my technical and logical thinking.

HRMS Website for Navitus

I also contributed to a client project – HRMS for Navitus. My tasks involved API integration, layout configuration, and employee data management. I gained real-world experience handling production issues and client interactions.

Final Summary

To summarize my internship: Built and maintained production-ready APIs, Learned AWS Lambda, serverless workflows, and debugging techniques, Contributed to both product (Blog) and client (HRMS) systems, Gained hands-on experience in backend and cloud development. This internship has truly prepared me for roles in backend and cloud-native systems.

Thank You

Thank you for your time. I'm happy to answer any questions.