

# Internship Presentation - Q&A with Technical Terms

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## Slide 1: Internship Overview

- Q: Where did you do your internship and for how long?

A: At Simpsoft Solutions from March 17, 2025, to Present.

- Q: What was your internship domain?

A: Backend development using Node.js, AWS, and Serverless architecture.

## Slide 2: About Simpsoft Solutions

- Q: What kind of company is Simpsoft Solutions?

A: It's an IT services and product-based company with clients like AgriScout and Salesforce.

- Q: What is SSuites?

A: A no-code framework developed by Simpsoft that helps create websites without writing code.

- Q: Which tech stacks are used at Simpsoft?

A: Languages like Python, Java, Node.js; frameworks like React/Angular; cloud platforms like AWS and Azure; DevOps tools like Docker, Kubernetes.

## Slide 3: SSuites Platform

- Q: What is SSuites used for?

A: To develop component-based websites with real-time configurations.

- Q: What did you build using SSuites?

A: A dynamic blog system and supported HRMS customization.

## Slide 4: My Tech Contributions

- Q: What is Node.js?

A: An open-source, cross-platform JavaScript runtime built on Chrome's V8 engine, mainly used for backend development.

- Q: What is AWS?

A: Amazon Web Services – a cloud platform offering services like storage, compute power, and databases.

- Q: What is DynamoDB?

A: A NoSQL database by AWS designed for fast, scalable, serverless applications.

- Q: What is the Serverless Framework?

A: A framework for deploying serverless applications to cloud platforms like AWS using YAML configuration.

- Q: What is AWS Lambda?

A: A serverless compute service that automatically runs code in response to events and manages the compute resources.

- Q: What is Postman used for?

A: Postman is a tool for testing APIs by sending requests and viewing responses.

- Q: What is Git and GitHub?

A: Git is a version control system; GitHub is a platform to host and collaborate on code repositories.

## **Slide 5: Console Log Centralization & AWS Cost Optimization**

- Q: Why centralize console logs?

A: To reduce redundant logging, improve debugging, and save on AWS CloudWatch costs.

- Q: How does the 8-bit flag system work?

A: Each bit in the flag (e.g., 11100000) enables/disables log types like log, warn, and error.

- Q: What is AWS CloudWatch?

A: A monitoring service for AWS cloud resources and applications.

## **Slide 6: Backend Bug Fixes**

- Q: What kind of bugs did you fix?

A: Issues like child-parent menu conflicts, duplicate users, datetime inconsistencies, and user deletion problems.

- Q: How did you fix duplicate user creation?

A: By adding a conditional check to ensure unique entries per workspace.

### **Slide 7: Feature Additions**

- Q: What were the main feature additions?

A: Removed unnecessary parent workspace IDs, added custom dashboard links, and sorting functionality.

- Q: Why is dashboard sorting useful?

A: It enhances UX by allowing customizable interface layout.

### **Slide 8: Blog System Features**

- Q: What were the core features of the blog system?

A: Post creation, layout customization, role-based access, and backend logic configuration.

- Q: Did it support role-based access?

A: Yes, users had different permissions based on their roles.

### **Slide 9: HRMS Website Contribution**

- Q: What did you work on in HRMS?

A: API integration, layout configurations, and employee data management.

- Q: What was a key challenge?

A: Understanding client requirements and integrating them into the existing system.

### **Slide 10: Summary & Learning**

- Q: What did you learn from this internship?

A: Cloud-native development, production-level debugging, API building, and real client collaboration.

- Q: Which part did you enjoy the most?

A: Creating the console utility and building the blog system.

### **Slide 11: Final Q&A**

- Q: What are your future goals?

A: To become a backend/cloud developer and explore AI integration.

- Q: Will you explore other tech stacks?

A: Yes, especially Python and AI/ML tools.