

Pradip Hamal

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WORK EXPERIENCE

Sr Analyst III Software Engineering

DXC Technology | American Airlines

New Orleans, LA

March 2024 - present

- Transitioned from an intern to full-time role upon graduation, assuming a Sr. Analyst III Software Engineering role
- Currently engaged in modernization of an enterprise application used by American Airlines Flight Attendants (FAs)
 - Involved in the development and validation of a cloud-native Spring Boot application that reflects the contract changes between the Flight Attendant union and American Airlines
 - Relating various data sources and environments to verify and validate the implemented changes.

Technical Intern

DXC Technology | Ahold Delhaize

New Orleans, LA

June 2022 - December 2023

- Contributed to the development of a Spring Boot application for Ahold Delhaize, a retail and holding company. (2023)
 - Wrote comprehensive unit tests for the application, focusing on mocking MongoDB actions to increase the code coverage
- Collaborated on an Automatic Talent Sourcing, a cloud native application as part of a team of interns. (2022)
 - Implemented AWS services such as AWS Lambda for serverless computing and RDBMS for the backend database, enabling the creation of two tiers of a three-tier application architecture.

EDUCATION

Southeastern Louisiana University (SLU), Hammond, LA

Bachelor of Science in Computer Science

Dec 2023

Concentration: Scientific

- Major GPA: 4.00/4.00
- Taylor Opportunity Program Scholarship
- Relevant Coursework:
 - Data Structures and Algorithms (CMPS 390)
 - Integrated Technologies for Enterprises Systems (CMPS 415)

TECHNICAL SKILLS

- **Programming Languages:** Java, Spring Boot, Angular, Python, React
- **Operating Systems:** Linux, Windows
- **Cloud Computing:** AWS services (Lambda, API Gateway, VPC, subnets)
- **Database:** MySQL, MSSQL, MongoDB
- **Software:** Visual Studio, Git, Kubernetes, Docker, Azure DevOps, Github Copilot
- **Workplace:** Leadership, Problem Solving, Oral and Written Communication

PROJECT EXPERIENCE

SpeedyDine

Personal Project

Hammond, LA

June 2023

- Developed a web application to order food from multiple restaurants.
- Designed an Angular application as the frontend and built REST APIs using Spring Boot as the backend.
- Initiated containerization by creating Docker images for both frontend and backend.
- Leveraged various AI tools like ChatGPT, Bing Image creator and GitHub Copilot to accelerate the development.

FoodToGo

Information Systems Class

Hammond, LA

August 2021 - December 2021

- Guided the project as a project team leader and integrated test-driven development.
- Developed user-centric frontends for mobile and web platforms using React and React Native.
- Utilized CI/CD pipelines to deploy a .NET web application to Azure.