

Oscar Valles

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EDUCATION

MASTER - COMPUTER ENGINEERING
UNIVERSITY OF TEXAS AT DALLAS •

Richardson, Texas
Expected Graduation, May 2026

BACHELOR - INFORMATION TECHNOLOGY
UNIVERSITY OF PHOENIX • PHOENIX, AZ

EXPERIENCE

Cloud Application Developer
Cloud Academy

October 2024 - Present

- **Developed and deployed** a bucket list tracking application using React, enabling users to seamlessly manage personal goals and lists.
- **Frontend Deployment:** Managed deployment with AWS Amplify Hosting, creating a secure and scalable user interface, and enhancing load time and user engagement.
- **User Authentication:** Implemented Amplify Authentication for secure login/signup, improving security and accessibility.
- **Backend Architecture:** Created a scalable backend using AWS AppSync and GraphQL API, supporting efficient, real-time data management.
- **Database Management:** utilized DynamoDB for data storage, leveraging AWS's serverless architecture for minimal latency and optimized data retrieval.
- **Media Storage:** Configured S3 for user-uploaded images, providing secure and efficient media storage and enriching application functionality.
- Developed a scalable bucket list tracker application on AWS, achieving 99.9% uptime by utilizing AWS Lambda, S3, and DynamoDB, plus implemented CI/CD pipelines that reduced deployment time by 50%.
- **Developed and deployed a scalable cloud-based application utilizing AWS services**, increasing user engagement by 25% by integrating features such as real-time updates, personalized bucket list recommendations, and social sharing capabilities.

PROJECTS

AWS AI-POWERED CHAT BOT

December 2024 - Present

AWS Web Services • <https://github.com/ovalles2019/Bedrock-Chatbot>

- Technologies: AWS Bedrock, Python, Boto3, Streamlit, Anthropic Claude-v2.
- Develop a multilingual chatbot using AWS Bedrock for educational purposes, capable of answering user queries and providing current time information.
- Integrated AI-driven natural language processing with real-time user interaction through a streamlit web interface.
- Deployed a highly scalable AI-powered multilingual chatbot using AWS Bedrock, increasing user engagement by 40% and supporting real-time query resolution.

AWS SERVERLESS CHAT APPLICATION

Feb 2025 - March 2025

AWS Web Services •

- Build a server-less chat application using AWS Lambda, DynamoDB, API Gateway, S3, Cognito, CloudFront.
- Developed a serverless chat application leveraging AWS Lambda, DynamoDB, API Gateway, S3, Cognito, and CloudFront, achieving 99.9% uptime and reducing infrastructure costs by 40%.

CERTIFICATIONS

Certified Cloud Practitioner

AWS • 2024

Certified Solutions Architect

AWS • 2025 (In process)

Leadership Experience

AWS Cloud Club | Core Team Member | *UTD Chapter, Dallas, TX*

- Organized and led AWS workshops on serverless, networking, and DevOps, helping peers gain hands-on cloud experience.
- Coordinated events with 100+ attendees by managing logistics, cross-team collaboration, and community engagement.
- Mentored students on cloud career paths and certification prep, strengthening the talent pipeline for AWS professionals.

SKILLS

Problem Solving | Strategic Thinking | Decision Making | Information Literacy | Project Management | Delegation | Communication Skills | Proactivity | Leadership | Emotional Intelligence | Sales | Customer Service | Self-Awareness Of Blind Spots
Program Development | Troubleshooting | Computer Science | Agile Methodology | Algorithm | Integration | Machine-Learning | Information Technology | Operations | Cloud Computing | Software Development | Kubernetes | Business Information System | Network Security | Python | SQL | Ai | Cybersecurity | AWS Cloud