

Karthik Thyloor Mahesh

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PROFILE

Recent MSc graduate in Cloud Native Computing with hands-on experience in AWS, Linux, and application support fundamentals. Familiar with troubleshooting REST APIs, cloud services, and containerized applications. Experienced in working with logs, debugging issues, and collaborating with teams to resolve technical problems. Strong communicator with a learning mindset, seeking a Junior Support Engineer role to build expertise in cloud CX platforms and enterprise support environments.

CERTIFICATIONS

- AWS Certified Cloud Practitioner – 2025 – [Verification Link](#)
 - AWS Cloud Fundamentals (hands-on labs)
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TECHNOLOGY SKILLS

- **Cloud** : AWS (IAM, EC2, S3, Lambda – fundamentals)
 - **Systems** : Linux (Ubuntu, Amazon Linux), Networking basics
 - **Support & APIs** : REST APIs, Postman, troubleshooting logs
 - **Tools**: Git, Docker, CI/CD fundamentals
 - **Programming**: Java, Python (applied in projects)
 - **Databases**: MySQL, MongoDB, DynamoDB
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PROJECTS

1. Serverless Architectures for Modular AI Inference Pipelines

Master's Research Project – TUS Athlone

- Monitored AWS Lambda execution and logs to identify failures
- Evaluated cold start and performance issues
- Documented troubleshooting steps

2. Cloud-Based Collaborative Video Editing Platform

Distributed Systems Research Project

- Designed S3 + DynamoDB integration
 - Analyzed scalability and failure scenarios
 - Proposed monitoring and alerting approach
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INTERNSHIP EXPERIENCE

June 2023 – September 2023 | Rooman Technologies | Backend Development Intern

- Supported backend services by debugging API issues and log analysis
- Assisted in resolving database and integration errors
- Collaborated with team to reproduce and troubleshoot defects
- Used Git and Linux environments for issue resolution
- Communicated technical problems clearly to senior engineers

August 2022 - September 2022 | KnowX Innovations | Full Stack Web Development Intern

- Supported development and testing of Student Management System
- Performed unit testing and validation of APIs
- Documented issues and participated in Agile stand-ups

EDUCATION

2024-2025 | Technological University of the Shannon

Master of Science in Software Design with Cloud Native Computing

2020-2023 | Visvesvaraya Technological University, Belagavi, Karnataka

Bachelor of Engineering in Electronics and Communication & Engineering