# Ashenafi G. Kumbi

Software Engineer / Cloud Engineer

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## SUMMARY

Results-driven Software Engineer with hands-on experience in cloud architecture, backend development, and machine learning integration. Skilled in AWS and GCP cloud platforms, containerization with Docker and Kubernetes, and automated testing frameworks. Proven leadership in mentoring and community building, having founded a cloud club empowering over 300 students. Demonstrated ability to deliver scalable solutions and foster technical growth through mentorship and workshops.

## EXPERIENCE

**Student Ambassador**                                                        Apr '25 — Present
ALX Africa
- Promoted ALX programs to increase student awareness and engagement in technology and career-building opportunities.
- Enabled access to resources, mentorship, and events supporting skills in cloud computing, data, software engineering, and leadership.

**AWS Cloud Mentor**                                                          May '25 — Jul '25
ALX Africa                                                                Addis Ababa (Remote)
- Mentored 2 students in hands-on cloud computing skills, guiding them through practical workshops and project walkthroughs.
- Facilitated skill advancement in AWS cloud architecture, enabling mentees to progress in their tech careers.

**Machine Learning Intern**                                                   Jul '24 — Oct '24
iCog Labs
- Containerized machine learning applications using Docker to ensure consistent and efficient deployment across environments.
- Supported integration of retrieval-augmented generation (RAG) techniques to improve response relevance in ML models.
- Developed automated testing frameworks with Python and Playwright, increasing feature validation efficiency and reducing bugs.

## EDUCATION

**BSc in Software Engineering**, Addis Ababa University                        Jun '22 — Jul '27
- Relevant coursework: Object Oriented Programming, Data Structures and Algorithms, Database Systems, Operating Systems, Cybersecurity, Artificial Intelligence

**Professional Development Program in AWS Cloud Computing - Solutions Architect**, ALX Africa          May '23 — Feb '24
- Skills: AWS cloud architecture, EC2, VPC, S3, RDS/DynamoDB, IAM, CloudFormation, CI/CD, CloudWatch, scalable system design

## SKILLS

**Programming and Frameworks**    Python, JavaScript, Django, FastAPI, Node.js, Express.js, Java, C
**Cloud and DevOps**    AWS, GCP, Azure, Docker, Kubernetes, GitHub Actions, Jenkins, Travis Ci
**AI Tools**    Github Copilot, Cursor, Amazon Q, Lovable

## CERTIFICATIONS & ACHIEVEMENTS

**AWS Certified Solutions Architect**                                          Mar '25
Amazon Web Services
Certified expertise in designing and deploying scalable AWS cloud solutions.

**GCP Professional Machine Learning Engineer**                                 Jun '25
Google Cloud
Certified proficiency in designing and deploying machine learning models on Google Cloud Platform.

**Kubernetes and Cloud Native Associate**                                      May '25
Cloud Native Computing Foundation
Recognized skills in Kubernetes and cloud native technologies.

## LEADERSHIP AND COMMUNITY

**Founder and Cloud Captain**, AWS Cloud Clubs AAU                             May '25 — Present
Mentored 20+ students in Data Structures and Algorithms, providing guidance on problem-solving and coding practices.

**Data Structures and Algorithms Teacher**, Google Developer Group Addis Ababa University          Sep '24 — Jul '24
Mentored 20+ students in Data Structures and Algorithms, providing guidance on problem-solving and coding practices.