

Molla Negash

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Portfolio:<https://mollanegash.github.io/>

PROFESSIONAL SUMMARY

Senior Software Engineer with over 8 years of experience in Java backend development, microservices architecture, and AI/ML. AWS Certified Solutions Architect with a demonstrated ability to design and implement scalable cloud solutions using Databricks, Apache Spark, and AWS services. Proven track record in transitioning from monolithic systems to microservices, optimizing system efficiency, and leading technical teams to deliver high-quality solutions. Committed to driving innovation and excellence in software engineering with a strong foundation in cloud-native technologies and best practices.

CERTIFICATIONS

- *AWS Certified Cloud Specialist - Technical*
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EXPERIENCE

Manager | Betsi Eco Hub LLC | Austin, TX | December 2023 - Present

- Spearheaded the development and maintenance of the company website, employing technologies including HTML, CSS, PHP, and MySQL.
- Managed cloud services and server configurations, optimizing performance and ensuring robust security measures.
- Led strategic initiatives resulting in SBA certification attainment and successful government contract engagements, employing agile project management methodologies.

Senior Java Developer | LTIMindtree | Austin, TX | Jan 2023 - Nov 2023

- Designed and developed banking applications with new functionalities and seamless back-end integration.
- Spearheaded the migration to microservices architecture using Java, Spring Boot, and Spring Cloud, focusing on robust RESTful API design and implementation.
- Utilized Google Cloud Platform (GCP) and AWS for deploying secure payment systems, intelligence and mortgage product deployment and scalable applications, ensuring compliance with industry best practices.
- Developed and maintained web and backend systems of Credit Reporting Solutions, implementing microservices and RESTful APIs with Spring Boot.

- Managed database operations across PostgreSQL, Oracle, MySQL, and NoSQL (MongoDB, Cassandra) environments.
- Emphasized secure development best practices, including encryption and authorization techniques.
- Applied Agile methodologies for iterative development, and leveraged tools such as Jenkins, SonarQube, JIRA, Confluence, Git, Maven, and Gradle for continuous integration and team collaboration.

Java Developer | Tata Consultancy Services | Boston, MA | Nov 2021 - Dec 2022

- Led the design, development, and management of insurance enterprise microservices applications using Java, Spring Boot, and Hibernate.
- Upgraded existing applications and integrated new systems and databases, improving performance and functionality.
- Actively participated in application testing, troubleshooting, and user support to resolve technical issues.
- Promoted professional development by identifying skill gaps, engaging in continuous learning, and staying updated with industry advancements.

Java Developer | Public Health Institute, Ethiopia | Aug 2013 – July 2016

- Engineered public health research applications using Spring MVC, contributing to significant improvements in data analysis and reporting.
- Developed RESTful microservices to enhance API integration and facilitated seamless communication between systems.
- Conducted comprehensive statistical analysis on health data utilizing R and Python.

Java Developer | Ministry of Science and Technology | Ethiopia | Nov 2011 – Aug 2013

- Created professional web applications and dynamic interfaces using HTML, CSS, JavaScript, and AJAX.
- Developed APIs for bulk email processing and implemented solutions for real-time data handling and search functionality.
- Applied Java frameworks (Spring, Hibernate) to design backend components and enhance system capabilities.

Java Developer | City Government of Addis Ababa | Ethiopia | Mar 2010 – Nov 2011

- Implemented a fleet management system using JSF framework and MVC design, streamlining operations and data management.
- Developed backend components with EJB, JDBC, and Spring, integrated with Hibernate for data persistence.
- Enhanced user experience by designing efficient and navigable user interfaces.

Career Break | August 2016 - May 2021

- Relocated to the US and pursued a Master's in Computer Science, graduating with resilience and determination despite pandemic challenges.
 - Balanced family responsibilities while engaging in online learning, completing courses in data science and machine learning to stay abreast of industry trends.
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EDUCATION

MS in Computer Science | Boston University | Boston, MA | May 2021

BSc in Economics | Mekelle University | Mekelle, Ethiopia | July 2009

ADDITIONAL SKILLS

- **Programming & Technologies:** Java, Spring, Spring Boot, Hibernate, Python, R, JavaScript, HTML, CSS, PHP, MySQL.
- **AI/ML & Big Data:** Experience with machine learning algorithms, Databricks, Apache Spark, and data processing using Python and R.
- **Cloud & DevOps:** Proficient in AWS:Cloudwatch, lambda:email handling, S3:APIs, EC2, SNS:messaging/alarms, Google Cloud, server configuration, and deployment of cloud services
- **Software Development:** Expertise in microservices architecture, RESTful APIs, and Agile methodologies.
- **Tools & Platforms:** Jenkins, SonarQube, JIRA, Nexus, Confluence, GitHub, BitBucket, Docker, Kubernetes, Maven, Gradle, RunDeck.
- **Database Management:** Experience with relational (PostgreSQL, Oracle, MySQL) and NoSQL databases (MongoDB, Cassandra).
- **WordPress Development:** Skilled in maintaining and customizing WordPress sites, including plugin management and theme customization.
- **Security:** Strong understanding of secure development practices, including encryption, authentication, and authorization.
- **Communication:** Excellent verbal and written communication skills, adept at collaborating with cross-functional teams.

CONTACT INFORMATION

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