

TEDROS TEFAY ANDEMICHAEL

Oakland, California 94602

(510) 350 – 6836)

tta2yta@gmail.com

<https://www.linkedin.com/in/tedros-tesfay-andemichael-489422111/>

SOFTWARE ENGINEER

Results-oriented Software Developer with more than six years of experience in designing, developing, and optimizing scalable applications. Skilled in various programming languages, Machine Learning Models, and frameworks, and has a demonstrated history of guiding cross-functional teams to create high-performance systems. Experienced in architecting microservices, optimizing databases, and maintaining strong security practices. Strong background in system architecture, database design, and API development.

Core Skills:

Languages: Java/J2EE, C#, JavaScript ES6, Typescript, Python

Web: HTML5, Thyme leaf, SASS, Bootstrap, JSON, SPA, jQuery, AJAX

Web Services: REST API, Microservices

Cloud Technologies: AWS, Azure, Docker, Jenkins

Frameworks Spring, Spring Boot, Hibernate, REACTJS, Entity Framework, .Net Core, Flask, NodeJs, Angular

Databases: MySQL, SQL Server, Mongo dB, Postgres

SDLC: Agile / Scrum, Iterative, TDD, BDD

Tools: IntelliJ IDEA, Eclipse, VS Code, Web Storm Git, Jira, Maven, MLOps, Gradle, StarUML, Jenkins, Docker Bootstrap, Postman, SonarQube, Splunk, JUnit, Mockito, RestAssured, Kafka, Selenium, Calypso, Vertex AI

Platforms: Mac, Windows, Linux

PROFESSIONAL EXPERIENCE

Software Engineer at Kasven

Finland, Joensuu - January 2022 – March 2025

- Participate in every facet of software development, which includes design, coding, code review, testing, and bug fixes.
- Implemented secure authentication systems using OAuth 2.0 and JWT, reducing unauthorized access incidents by 100%.
- Optimized SQL queries and implemented caching, reducing database load by 30%.
- Participate in the evolution of the product by researching emerging trends and integrating them into the architecture.
- Actively engage in customer conversations to gather insights and ensure the platform meets business needs.
- Implement CI/CD pipelines with AWS, enabling 99.9% uptime for critical services.
- Mentor and provide technical guidance to junior engineers, fostering a culture of knowledge sharing and continuous learning.

Software Developer at Arktion Technologies
Moscow, Russia - October 2019– November 2021

- Design, implement, and maintain scalable, distributed backend systems using collaboration with product management to understand customer challenges and translate them into technical solutions.
- Participate in migration of a monolithic system to microservices, improving scalability and reducing latency by 40%
- Optimized database schemas, reducing data redundancy by 30% and improving query performance.
- Maximized readability, reusability, and performance by refactoring, customizing & fixing bugs in application codes.
- Collaborated with front-end teams to integrate APIs, improving data retrieval efficiency by 25%.
- Build a data consistency and validation feature in delivering high-quality data.
- Automated testing processes achieving 95% code coverage.
- Assisted in migrating legacy systems to cloud-based solutions, ensuring seamless data transitions.

EDUCATION

Master of Science in Data Science / Computer Science

University of Eastern Finland – Joensuu, Finland (Sep 2021 to Jun 2022)
4.5/5.0

National University of Science and Technology MISIS – Moscow, Russia (*Completion June 2021*)
5.0/5.0

Bachelor of Science in Computer Engineering

Eritrea Institute of Technology, Asmara, Eritrea (*Completion June 2014*)
3.70/4.0

CERTIFICATIONS

Google Cybersecurity (Jan 2025)

First Aid/CPR Training (August 2023)

Languages

English, Russian, Amharic, Tigrinya

Hobbies

Playing chess, Reading Books, Watching Movies, playing Soccer