

# Biniyam Seid

Senior Software Engineer & AI Enthusiast

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🐙GitHub

🌐LinkedIn

👤Upwork

## TECHNICAL SKILLS

### Languages

Python JavaScript  
TypeScript Go C++ C#  
SQL Bash

### Frameworks

Django Flask FastAPI  
React Vue.js Next.js  
Express

### DevOps & Cloud

AWS Terraform Docker  
Kubernetes GitHub Actions  
Nginx

### AI/ML

TensorFlow PyTorch  
LangChain LangGraph  
Hugging Face Scikit-learn

### Communication & Automation

Twilio n8n Zapier

## EDUCATION

### Bachelor of Science in Software Engineering Addis Ababa University

Dean's List  
Final Year Project: "Decentralized  
Delivery System Using Blockchain  
Technology"

## CERTIFICATIONS

### Deep Learning Specialization Coursera

### TensorFlow Developer Certificate Google

### Docker and Kubernetes Udemy

### Blockchain Specialization Coursera

## INTERESTS

AI Agents ERP Systems NLP  
Game Dev Web3  
Open Source

## Professional Summary

Innovative Senior Software Engineer with 6+ years of expertise in fullstack development, ERP systems, and AI/ML research. Proven track record of architecting scalable solutions, leading cross-functional teams, and driving digital transformation initiatives. Specializes in modern software architectures, clean code principles, and high-performance computing. Passionate about leveraging cutting-edge technologies in AI, blockchain, and cloud computing to solve complex business challenges.

## Professional Experience

### Senior JavaScript and Go Developer

#### Taptosign | Remote

- ▶ Implemented and updated core backend systems and integrations using JavaScript and Go
- ▶ Optimized performance of legacy services and maintained production deployments
- ▶ Collaborated with cross-functional teams to deliver scalable solutions for digital signing platform
- ▶ Enhanced system reliability and reduced response times through code optimization and refactoring

### Senior Odoo Developer

#### ETTA Solutions | Addis Ababa, Ethiopia

- ▶ Architected and implemented scalable Odoo modules across Accounting, Inventory, HR, and CRM domains
- ▶ Optimized PostgreSQL queries and implemented load-balanced AWS deployments using Terraform, achieving **25% performance improvement**
- ▶ Developed robust API integrations with third-party services and AWS S3 for file storage management
- ▶ Built comprehensive **workflow automation solutions using n8n**, integrating multiple business systems and reducing manual processes by 40%
- ▶ Implemented Twilio-based communication solutions for SMS notifications, voice calls, and WhatsApp messaging within ERP workflows
- ▶ Designed and deployed automated customer engagement pipelines using n8n workflows connected to CRM, email marketing, and communication platforms
- ▶ Led knowledge transfer sessions and mentored junior developers on best practices

### Artificial General Intelligence Researcher

#### SingularityNET | Remote

- ▶ Developed components of a Pattern Miner System for AGI
- ▶ Worked on Economic Attention Allocation (ECAN) mechanisms

### Fullstack Developer, Mentor, and Teaching Assistant

#### A2SV (Africa to Silicon Valley) | Remote

- ▶ Built and deployed rateeat.app using Vue.js, Express.js, MongoDB, and Docker on AWS infrastructure
- ▶ Implemented CI/CD pipelines with GitHub Actions and automated AWS deployments using Terraform
- ▶ Mentored 30+ developers in algorithms, machine learning, and cloud infrastructure best practices
- ▶ Conducted technical workshops on TensorFlow, FastAPI, AWS services, and Infrastructure as Code

## Notable Projects

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### **SMSAI**

AI application for SMS-based services, built with React, FastAPI, DynamoDB on AWS

### **Decentralized Delivery System**

Blockchain-based delivery platform with smart contracts for transparent and secure logistics