SURAFEL YIMAM KEBEDE
FULL STACK SOFTWARE ENGINEER / STARTUP CTO EXPERIENCE

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SUMMARY

Full-Stack Software Engineer with 8+ years of experience. Ex-CTO at Budera. I've been building and creating since I was a kid, driven by a passion for solving problems and turning ideas into innovative, user-friendly and fun products. Currently, exploring AI agent development to combine full-stack expertise with intelligent automation.

TECHNICAL SKILLS

PROGRAMMING & FRAMEWORKS
Python (Django, FastAPI, Flask)
JavaScript / TypeScript
React.js / Next.js
Node.js
HTML5, CSS3, SASS/SCSS
Material UI (MUI), Tailwind CSS,
Chakra UI

TOOLS & WORKFLOWS
Git / GitHub / GitLab / Bitbucket
Jira / Trello / Notion
Postman / Insomnia
Webpack / Vite / Babel
Figma / Adobe XD

DATABASES
PostgreSQL
MySQL / MariaDB
MongoDB
Redis

AI & AUTOMATION
LangChain, OpenAI API, GPT-agents
Natural Language Processing (NLP)
Pandas, NumPy, Scikit-learn
Automation & Workflow orchestration

TESTING & QUALITY
Unit, Integration, E2E
Test-Driven Development (TDD)
Linting & code formatting tools

DEVOPS & CLOUD
Docker / Docker Compose
Kubernetes (basic)
AWS (EC2, S3, RDS, Lambda)
CI/CD (GH Actions, GitLab CI)
Linux server management

OTHER
WebSockets / RTC
GraphQL / RESTful API design
Payment integrations (Stripe, PayPal)
Jupyter Notebooks (data analysis)
Agile/Scrum methodologies
AI-assisted Dev, Review, Debugging
Prompt engineering

WORK EXPERIENCE

AGRISUN ENGINEERING - SENIOR SOFTWARE ENGINEER   SEPTEMBER 2024 - PRESENT
- Developed software solutions for solar-powered agricultural systems and inverter technologies.
- Designed a countertop smart mini-farm prototype with IoT integration for indoor sustainable food production.
- Built websites, inventory systems, and marketing analytics dashboards to streamline operations and track impact.
- Implemented project tracking dashboards for cross-team visibility, improving reporting and execution timelines.
- Integrated IoT devices and solar data into centralized platforms, enabling real-time monitoring and decision-making.

BUDERA - CHIEF TECHNOLOGY OFFICER / SENIOR SOFTWARE ENGINEER   APRIL 2025 - AUGUST 2025
- Co-conceived and built the initial product vision for an AI-powered business partner SaaS.
- Designed and implemented 5 independent AI agents that automated diverse business management tasks.
- Architected scalable backend systems to support multi-agent orchestration and real-time workflows.
- Directed product development from idea to MVP, working closely with the cofounder.
- Built the technical foundation with Python, React, PgSQL, and AI tooling (LangChain, OpenAI API, vector DBs).

EMPIRE SYNDICATE - SENIOR SOFTWARE ENGINEER   OCTOBER 2024 - JANUARY 2025
- Designed and implemented custom sales funnels in GoHighLevel, significantly improving client lead conversion.
- Automated CRM workflows to enhance customer engagement, retention, and lifecycle management.
- Integrated third-party APIs and tools to expand marketing automation capabilities and reduce manual effort.
- Delivered data-driven insights dashboards that optimized sales strategies based on performance analytics.
- Supported cross-functional teams by rapidly iterating on web solutions, ensuring smooth client onboarding.

CELERUS - CHIEF TECHNOLOGY OFFICER / SENIOR SOFTWARE ENGINEER   AUGUST 2024 - JANUARY 2025
- Developed a talent assessment tool to pre-assess candidates for clients, enabling data-driven hiring decisions.
- Built job scraping and application automation tools to streamline recruitment workflows.
- Delivered advanced analytics solutions, creating dashboards and predictive models aligned with business goals.
- Automated data collection and transformation processes, improving workflow efficiency and consistency.
- Created data visualizations in Python and Tableau to provide actionable insights for global clients.

NIBRET - CHIEF TECHNOLOGY OFFICER / SENIOR SOFTWARE ENGINEER　　　　**JUNE 2024 - AUGUST 2025**
- Designed and implemented a full-stack SaaS real estate platform for web, Android, and iOS.
- Built dynamic front-end interfaces with React/Next.js and Material UI for smooth user experience.
- Developed backend APIs and database systems to handle listings, users, and transactions.
- Integrated a CRM system to manage client interactions, leads, and property inquiries efficiently.
- Implemented analytics dashboards, secure authentication, payments, and notifications.

INDEPENDENT CONTRACT - SOFTWARE ENGINEER / DATA ENGINEER　　　　**MAY 2024 - SEPTEMBER 2025**
- Worked independently under NDA supporting large-scale enterprise clients, building ETL solutions and pipelines.
- Developed a data pipeline tool to automate ingestion, transformation, and loading of diverse data.
- Cleaned and optimized the data environment, improving reliability and efficiency for downstream analytics.
- Designed and maintained workflows using Apache Airflow for scheduling and orchestrating complex tasks.
- Integrated and processed data in Snowflake, ensuring high data accuracy, accessibility, and scalability.

ITIO - SOFTWARE ENGINEER　　　　**AUGUST 2022 - MAY 2024**
- Built end-to-end web applications using Node.js, React, and MongoDB with a focus on performance and scalability.
- Applied Test-Driven Development (TDD) practices to deliver robust backend logic and reduce production bugs.
- Developed and maintained data scraping systems to enrich user experiences and support platform content.
- Directed deployment of scalable systems tailored for agricultural and IoT use cases, ensuring reliable operations.
- Produced technical content and tutorials, increasing community engagement and platform visibility.

FREELANCE WORK ON UPWORK - SOFTWARE ENGINEER　　　　**JULY 2020 - AUGUST 2022**
- Delivered 20+ full-stack projects across web and mobile platforms, consistently receiving good client feedback.
- Built rapid prototypes and MVPs using React, Node.js, and Python, accelerating client go-to-market timelines.
- Integrated APIs and third-party services for e-commerce, automation, and analytics solutions.
- Designed custom dashboards and reporting tools to enable data-driven decision-making for clients.
- Maintained long-term client relationships through reliable, scalable, and high-quality software delivery.

INDEPENDENT CONTRACT - SOFTWARE ENGINEER　　　　**JUNE 2019 - JULY 2020**
- Developed real-time monitoring systems for weather, energy, and electricity metrics.
- Designed and optimized schematics and equipment selection for accurate and efficient deployment in fields.
- Implemented scalable backend solutions to support continuous data collection and analysis.
- Ensured secure data handling and robust system architecture for reliable decision-making.
- Created dashboard interfaces and visualizations to provide actionable insights for operational teams.

SOLAR VILLAGE ETHIOPIA - IT / SOFTWARE ENGINEER　　　　**AUGUST 2018 - JUNE 2019**
- Developed Python-based tools to support small-scale agricultural and solar energy projects.
- Built data collection and processing scripts to monitor system performance and efficiency.
- Assisted in hardware-software integration for local energy and farming solutions.
- Created basic dashboards and reporting tools for project tracking and operational insights.
- Provided technical support and maintenance for deployed systems, ensuring smooth functionality.

DYKESOFT - IT / SOFTWARE ENGINEER　　　　**JUNE 2017 - SEPTEMBER 2018**
- Developed full-stack desktop applications for rental management, inventory tracking, and modular ERP systems.
- Designed scalable and secure solutions to support data-driven decision-making across multi-branch companies.
- Implemented custom features and automation to streamline client workflows and improve operational efficiency.
- Provided training, user manuals, and ongoing support to ensure smooth adoption and client satisfaction.
- Collaborated with clients to gather requirements and deliver software solutions aligned with business needs.

EDUCATION

UNIVERSITY OF GONDAR　　　　**GRADUATED 2023**
- BSc. Biomedical Engineering, Cum Laude (3.6 GPA)