

BTSUAN EYAKEM GEBREAMLAK

Vienna, VA | +1-641-233-2331 | btsuanme@gmail.com | [Linkedin.com/in/Btsuan-Gebreamlak](https://www.linkedin.com/in/Btsuan-Gebreamlak)

SENIOR FULL STACK DEVELOPER

Senior Software Engineer with vast experience in designing, building, and scaling enterprise-grade Java applications. Proven expertise in Spring, Spring Boot, JavaScript, TypeScript, NodeJS, PHP, microservices architecture, and Angular and React for frontend development. delivering high-performing platforms serving millions of users. Instrumental in creating cloud solutions using Azure and AWS (Lambda, DynamoDB, SQS, and DLQ), cutting release cycles. Well-versed in collaborating with cross-functional teams, using Agile methodology, streamlining workflows, and achieving measurable efficiency gains.

- ✓ Adept at event-driven architectures using KaUa and SQS improving system resilience, scalability, and real-time processing.
- ✓ Strong background in API development and database optimization across SQL and NoSQL systems.
- ✓ Committed to building reliable and scalable solutions that accelerate business outcomes.

KEY STRENGTHS

- High-Quality Code Development
- System Architecture & Design
- Technical Troubleshooting
- Software Performance Optimization
- DevOps Concepts & Cloud Architecture
- Process Analysis & Refinement.
- Cross-functional Collaboration
- Stakeholder Engagement
- Data-Backed Decision-Making

PROFESSIONAL EXPERIENCE

CapitalOne • McLean, VA

Jan 2025 to Sep 2025

Senior Software Engineer

Technologies: AWS (Lambda, DynamoDB, S3, CloudWatch, SQS & DLQ) | Java | Spring Boot | Angular 17 | Teletran Platform | Audit & Compliance Tools | TypeScript | microservice

Design, development, maintain and testing of software applications that drive business growth. guaranteeing quality code and best practices. Prepare and maintain technical documentation for software applications.

- Engineered **Auto Sign-Off system** within Teletran, enabling **100+ teams** to complete release approvals in days.
- Automated **30% of team sign-offs within 2 weeks** by architecting scalable, fault-tolerant workflow on AWS.
 - Reduced **manual override requests by 50%** and augmented operational efficiency.
- Cut **onboarding time by over 40%** through development of comprehensive, user-friendly Teletran documentation, consolidating scattered information into structured guides, feature pages, and FAQs, enhancing compliance adherence.
- Streamlined enterprise release cycles, realizing **80% reduction** in RTE manual coordination workload.
- Devised **Admin Override framework** to securely bypass sign-off blocks under legal/compliance-approved conditions.
- Established immutable audit logging, decreasing **audit preparation time by 50%** and eliminating high-risk compliance gaps.
- Built Check Configuration service in AWS (Lambda, DynamoDB, and SQS) to centralize **37+ pre-release enforcement rules**.
- Orchestrated event-driven workflows with SQS and DLQ to handle **thousands of release events**, ensuring resilient processing.
- Raised operational visibility by upgrading **Angular 17 UI for real-time check results, override states, and team eligibility**.
 - Empowered Release Managers to shape **faster and data-backed decisions**.
- Drove enterprise-wide adoption of **automated governance across 50+ platform teams**.
 - Slashed manual verification time from **1 week to under 1 day and saved over 500 hours per year**.

Bio's Engineering Treading • Addis Ababa, Ethiopia

March 2020 to Oct 2023

Senior Software Engineer

Technologies: Java | KaUa | KaUa Connect | ksqIDB | Schema Registry | Spring Cloud Gateway | MongoDB | MySQL | OAuth 2.0 | JWT SMTP/IMAP | Angular | React | Jenkins | GitHub | CQRS | SAGA | JUnit

Guided project alignment by facilitating client meetings, gathering requirements, and steering team priorities to meet stakeholder expectations. Maintained high code quality by implementing unit testing with JUnit, ensuring strong test coverage and rectifying regression risk. Delivered responsive user interfaces with Angular and React, enhancing usability across devices.

- Boosted **company revenue by 20%** and attracted **25K new users** by implementing **Event-Driven Architecture and CQRS**, enhancing platform stability during high-traffic sales events and securing promotion to **Software Department Manager**.
- Spearheaded migration of monolithic application serving **over 1M users to microservices architecture**.
 - Utilized **Kaha ecosystem** to build scalable and fault-tolerant system.
 - Achieved **50% reduction in response times** and **30% user capacity increase**.
- Leveraged strong communication competency through architecture transformation, cutting **average response times by 50%**, boosting **concurrent user capacity by 30%**, and reducing **server resource consumption by 40%**.
- Accelerated delivery speed with CI/CD pipelines on Jenkins and GitHub, achieving **50% faster release cycles**.
- Optimized development efficiency by deploying **APIs with Spring Cloud Gateway, MongoDB, and MySQL**.
- Strengthened platform security with **OAuth 2.0 and JWT**, ensuring data confidentiality and defense
- Integrated **Kaha into email notification system**, promoting event-driven communication and inter-service messaging.
- Elevated scalability by designing **event-sourced systems** with CQRS and SAGA, significantly cutting **data retrieval time**.

Pentech ICT Solution • Addis Ababa, Ethiopia2019 to 2020

Software Engineer

Technologies: Java | Spring | React | Docker | Jenkins | GitHub | AWS | MySQL | MongoDB | JUnit

Researched and translated business needs into system architecture, ensuring solutions met both functional and technical requirements. Enforced coding standards and design best practices through code reviews and JUnit testing, elevating maintainability.

- Optimized **application performance by 10%** through implementation of Netflix Hystrix circuit breaker to address NAS configuration issues, **reducing service response time from 200.75ms to 30ms** and earning **Employee of the Month**.
- Developed, tested, and delivered **healthcare application** using Java, Spring, and React improved efficiency for **100K+ users**.
- Automated **deployment and infrastructure management** with Docker, Kubernetes, Jenkins, GitHub, and AWS.
- Refined SQL and NoSQL schemas in MySQL and MongoDB, improving **application performance and scalability**.

EDUCATION

Master of Science in Computer Science, Maharishi International University, Fairfield, IA (Sep -2024)

Bachelor of Science in Electrical & Computer Engineering, Addis Ababa Science and Technology University, Ethiopia (July-2022)

CERTIFICATIONS

Complete JavaScript with HMTL5 & CSS3 from Zero to Expert-2022 | Practical CSS3 Mastery Course, Udemy

Programming Foundation with JavaScript, HTML, and CSS, Coursera

TECHNICAL SKILLS

Languages: Java | Spring Boot | JavaScript/TypeScript | Python | Golang

Web: HTML5 | CSS3 | React | Angular | AJAX | JSP | JSX | Bootstrap

Web Services: REST | GraphQL | JSON | XML | WebSocket | SOAPWeb & Application Servers: Nginx | Apache Tomcat

Frameworks: Spring | Spring Boot | NodeJS | Express | Django | React | Angular | Bootstrap

Databases: MySQL | PostgreSQL | Oracle | Redis | SQLite | Neo4j | MongoDB | Cassandra | ksqlDB | Cloud Firestore | JDBC RDBMS | SQL/NoSQL | JPA | Hibernate

Cloud Services: AWS EC2 | AWS S3 | AWS Lambda | AWS CloudWatch | AWS EKS | AWS SQS | DynamoDB

Design Patterns: MVC | Saga | Prototype | CQRS | Observer | State | Composite | Iterator | Chain of Responsibility | Proxy Adapter | Template | Decorator | Mediator | Factory | Builder | Singleton | PRG

SDLC: Agile | Scrum | Kanban | Waterfall | Iterative | CQRS | Test Driven Development (TDD) | Behavior Driven Development (BDD) Acceptance Testing Driven Development (ATDD)

Tools: Git | GitHub | Swagger | Postman | Docker | Kubernetes | KaUa | Jenkins | Jira | RabbitMQ | JMS | Apache Active MQ ELK
(Elasticsearch, Logstash & Kibana) | Zipkin **Platforms:** Windows | Linux | MacOS