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## SURAFEL KASSAHUN

FULL STACK DEVELOPER

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### PROFILE

Experienced Full Stack Developer with a proven track record of delivering both technical support and software solutions. Proficient in JavaScript, Node.js, MongoDB, Git, and more, with expertise in developing comprehensive mobile and web applications. Led the development of systems that enhanced operational efficiency, system security, and process optimization. Played a pivotal role in implementing attendance management solutions and ensuring seamless integration of biometric devices. Skilled in troubleshooting network and system issues, providing continuous support to ensure smooth operations. Passionate about contributing to impactful projects, leading teams, and driving continuous improvement within organizations.

## EXPERIENCE

### FULL STACK DEVELOPER AT YYDTS

SEPTEMBER 2023 - PRESENT

As a Full Stack Developer at YYDTS, I have delivered end-to-end solutions, from frontend interfaces to backend architecture, ensuring smooth functionality and performance across the entire stack. My key responsibilities include:

#### BACKEND DEVELOPMENT:

- **Cash Sales and Delivery Management System:**
  - Developed a comprehensive backend system for managing cash sales and deliveries, significantly enhancing operational efficiency and reducing reporting errors.
  - Implemented a flexible product pricing model that allows customer-specific pricing, streamlining the invoicing process by calculating totals based on variable prices for different customers.
  - Created a robust Post-Dated Cheques (PDC) management feature, accurately tracking PDCs, updating outstanding balances upon cheque deposits, and generating clear deposit status reports.
- **API Development:**
  - Designed and maintained RESTful APIs for handling key business operations such as customer management, payments, and product inventories.
  - Ensured efficient CRUD operations for interacting with databases, enhancing real-time data handling and performance.
- **Database Design & Management:**
  - Developed relational database schemas and optimized queries to support high-performance data storage and retrieval for sales, inventory, and financial operations.
  - Managed databases using MongoDB and MySQL, ensuring data integrity and optimized performance for reporting.

#### FRONTEND DEVELOPMENT:

- **User Interfaces:**
  - Developed responsive and intuitive user interfaces using React.js, delivering seamless user

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## CONTACT

surafelkassahun21@gmail.com

[\(26\) Surafel Kassahun](#) | [LinkedIn](#)

+251 94 2495 639

Addis Ababa, Ethiopia

## ACTIVITIES AND INTERESTS

- Technology and Innovation
- Coding and Software Development
- Tech Meetups and Conferences
- Exploring New Technologies

experiences for cash sales, customer management, and invoicing functionalities.

- Created dynamic components for handling tasks like managing payments, viewing invoices, and tracking sales reports, enhancing user productivity.
- **Customer-Specific Pricing & Invoice Display:**
  - Built flexible invoicing components that dynamically calculate totals based on customer-specific pricing models, improving accuracy in sales reports and invoices.
- **Form Design and Validation:**
  - Designed and implemented complex forms using React and Tailwind CSS, ensuring a user-friendly experience for managing customer data, payments, and product entries.
  - Integrated client-side validation to ensure accuracy in data input and submission, improving overall system reliability.

## FULL STACK FEATURES:

- **Payment and Invoice Management:**
  - Implemented frontend and backend solutions for generating and managing proforma invoices, preventing invoice creation if customers have unpaid credits.
  - Provided clear visibility into payment statuses and outstanding balances, ensuring accurate financial tracking.
- **System Performance & Optimization:**
  - Optimized both frontend and backend components for better performance, ensuring fast page loads, efficient database queries, and smooth interactions between the client and server.

## EDUCATION

### BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

ARBA MINCH UNIVERSITY, ARBA MINCH, ETHIOPIA  
JUNE 2019

## KEY SKILLS AND CHARACTERISTICS

- **Backend Development:** JavaScript, Node.js, Express, RESTful APIs, MongoDB, MySQL

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- **Frontend Development:** React.js, Tailwind CSS, Responsive UI Design
  - **Database Design & Management:** Relational Database Design, MongoDB, MySQL
  - **Version Control:** Git, GitHub
  - **System Optimization:** Performance Tuning, Code Optimization, Database Query Optimization
  - **Problem Solving:** Analytical Thinking, Troubleshooting, Process Improvement.