

Zedingil Zelalem

ጎበኝ ገጽ ፡ ድረ ገጽ 2016

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Zedingil Zelalem

Skillset

LANGUAGES: JavaScript - HTML - PHP - Java - C++

FRAMEWORKS & LIBRARIES: ReactJS - CodeIgniter 4 - Bootstrap - Bootswatch

TOOLS & PLATFORMS: Git - VS Code - Docker - Chrome Dev Tool - Heroku - Netlify - Vercel

DATABASE: MongoDB(NoSQL)(መማር ላይ ...) - MySQL

Work Experience

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BACK END DEVELOPER

April 2023 - Present

- Developed backend solutions using NodeJS , and Typescript to support the company's projects.
- Utilized MySQLDB \$ MangoDB for data storage and implemented efficient database schemas and queries.
- Contributed to the development of RESTful APIs, ensuring adherence to best practices and high code quality standards.
- Collaborated with cross-functional teams to ensure seamless integration of backend services with front-end applications.
- Worked on a Microservice Architecture, designing and developing independent and scalable microservices.
- Actively contributed to the optimization and performance tuning of backend systems.

Education

Dire Dawa University

From 2013 - present in Software engineering

•Yismala Preparatory and Secondary School 11th \$ 12th from 2010- 2012.

•Qunzila Preparatory and Secondary School 9th \$ 10th

•Estunit primary and Elementary School From KG - 8th

● Bahir dar, Ethiopia
2013 - 2016

University Projects

STUDENT INFORMATION MANAGEMENT SYSTEM.

- Developed a responsive frontend utilizing HTML and CSS, JAVASCRIPT including an admin panel for user verification and management.
- Facilitated the ability for users to confirm or cancel rides, leave feedback, and report bugs.
- Implemented Student registration and admin login.
- Built the backend using PHP and MySQL.

Personal Projects

HUMAN RESOURCE MANAGEMENT SYSTEM

JAVA PROJECT

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* Human Resource Management System (HRMS)
* The HRMS is a Java-based application designed to streamline and automate various human resource management tasks
within an organization. It provides a centralized platform for managing employee data, attendance, leave requests,
performance evaluations, and more. *
* Features:
* - Employee Management: The system allows HR administrators to maintain a comprehensive database of employee
information, including personal details, job roles, and contact information. * - Attendance Tracking: The HRMS tracks
employee attendance using various methods such as manual entry, biometric systems, or employee self-service portals.
* - Leave Management: Employees can submit leave requests, and the system automates the approval process, tracks
available leave balances, and updates employee records accordingly.
* - Performance Evaluation: The HRMS facilitates the performance evaluation process by providing a framework for
setting goals, conducting performance reviews, and generating performance reports.
* - Payroll Management: The system assists in managing employee salaries, tax deductions, allowances, and generating
payroll reports.
* Technologies and Frameworks: * - Language: Java * - Database: MySQL, Oracle, or any other database management
system * - User Interface: AWT, Swing.
* - Authentication and Authorization: Implement secure user authentication and role-based access control (RBAC) * -
Integration: APIs or libraries for email notifications, biometric systems, or other third-party services
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ATM MANAGEMENT SYSTEM

* The ATM System project is a Java-based application that simulates the functionality of an Automated Teller Machine. It provides users with various banking services, including account balance inquiry, cash withdrawal, funds transfer, and PIN change. *

* Features:

- * - User Authentication: The ATM system includes a login feature to authenticate users. Users are required to enter their account number and PIN to access the ATM services.
 - * - Account Management: Users can view their account balance, transaction history, and update their PIN through the ATM interface.
 - * - Cash Withdrawal: The system supports cash withdrawals, allowing users to specify the withdrawal amount and dispensing the requested cash if sufficient funds are available.
 - * - Funds Transfer: Users can transfer funds between their own accounts or to other valid bank accounts. The system verifies the availability of funds and updates the account balances accordingly.
 - * - PIN Change: Users can change their PIN for security purposes. The system validates the current PIN and allows users to set a new PIN.
 - * - Transaction Logging: Each transaction is logged, including details such as the transaction type, account numbers involved, date, and time.
 - * - User Interface: The project includes a user-friendly interface that displays prompts, messages, and options for the user to interact with during the ATM session.
 - * - Security Measures: The system implements security measures to protect user data, such as encryption of sensitive information, session timeouts, and transaction validation.
 - * - Exception Handling: The code incorporates exception handling to gracefully handle unexpected errors or exceptions that may occur during ATM operations.
- * * Technologies and Concepts:
- * - Language: Java
 - * - User Interface: JavaFX or Swing for building the graphical user interface (GUI)
 - * - Database: MySQL or any other database management system to store user account details and transaction logs
 - * - Object-Oriented Programming (OOP) concepts: Encapsulation, inheritance, and polymorphism for designing modular and maintainable code

