

# POORIYA KETABI

Junior Software Engineer

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Recent work includes building end-to-end web applications built with React, Node.js, PostgreSQL, REST APIs and real-time features. Projects include a live quiz platform developed as part of a team, with role-based user journeys, instant data synchronisation and responsive multi-user workflows, alongside an AI-powered language-learning app focused on performance, accessibility and retention. A background in architecture shaped a systems mindset for software design with a strong focus on structure, maintainability, performance and practical technical trade-offs.

## Technical Skills



**Languages:** JavaScript, Python, SQL, Java (fundamentals).

**Frontend:** React, Tailwind CSS, Responsive UI, Accessibility.

**Backend:** Node.js, Express, REST APIs, JWT Authentication, WebSockets, Role-Based Access.

**Data:** PostgreSQL, Relational Schema Design.

**Testing:** Jest, Unit Testing, TDD, API Mocking.

**Tools:** Git, GitHub, Postman, Docker, CI/CD, Netlify, Coolify.

## Projects



**Stack:** React, Tailwind CSS, Node.js, Express, PostgreSQL, WebSockets, Docker.

A full-stack real-time quiz platform for interactive learning, enabling mentors to create, manage, and host live quizzes while students join sessions, submit answers, and receive feedback instantly.

- Collaborated in a cross-functional Agile team of developers, tech leads, and product managers to deliver real-time quiz features through PR reviews, pair programming and sprint planning.
- Developed RESTful API endpoints for authentication, quiz management, session handling, and real-time scoring.
- Built a React interface for distinct mentor and student workflows, supporting clear role-based user journeys.
- Integrated WebSockets to enable near-instant question delivery, answer submission, and live feedback during quiz sessions.
- Designed and implemented a normalised PostgreSQL schema to manage users, quizzes, sessions, and submissions with maintainability in mind.

**Stack:** HTML, CSS, JavaScript, Node.js, Express, Firebase, OpenAI API, REST APIs.

An AI-powered language-learning app for translations, idioms, and personalised language practice.

- Integrated OpenAI API to generate translations, example sentences, synonyms, and idioms.
- Built engagement-focused features, including spaced repetition review and personalised progress tracking to support retention.
- Improved frontend rendering and backend API efficiency, contributing to a Lighthouse performance of 95+.
- Designed a responsive, accessible experience with persistent login and a low-friction guest mode.

## Experience

### Software Engineering Programme – CodeYourFuture *Full-time* | 2024 – Present

- Built full-stack applications with JavaScript, Node.js and React, applying clean code principles, testing, and Git-based workflows.
- Collaborated on team-based projects through regular code reviews, pair programming, and iterative delivery.
- Analysed and refactored legacy codebases to improve functionality, maintainability, and performance.
- Applied algorithmic thinking and optimisation techniques to identify bottlenecks and improve performance in existing codebases.

### Chef (formerly Housekeeper) – Keppels Head Hotel *Part-time* | 2023 – Present

- Promoted due to strong initiative, adaptability and reliability.
- Optimised kitchen prep process, cutting waste by 20% and improving nightly turnaround.

### Senior Architect – SISI Company *Full-time* | 2016 – 2023

- Led multi-disciplinary teams to deliver large-scale commercial and residential projects from concept design to completion.
- Coordinated complex digital and construction workflows across stakeholders, timelines, and delivery constraints, using tools such as AutoCAD, Revit, and project management systems to improve collaboration.
- Designed and optimised complex building systems, applying structured problem-solving and systems thinking.
- Managed trade-offs between cost, performance, and sustainability, bringing decision-making experience directly transferable to software architecture and delivery.
- Mentored junior team members and maintained high standards of precision, efficiency and delivery.
- Delivered projects up to 15% under budget through more efficient planning and material selection.

## Education

### Software Developer Certificate - CodeYourFuture | [Credential link](#)

- Focus: Full-stack development, teamwork, testing and delivery practices.

### BSc in Architecture - Azad University

- Achieved 2.1 | Focus: Digital architecture workflows, AutoCAD & Revit.