

KALAB DENEKE

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FLUTTER APP DEVELOPER

Mobile App Developer with 2 years of experience building scalable mobile applications across telecommunications, mobile top-up systems, and international voice call platforms. Skilled in frontend (React, Flutter) delivering secure, high-performance solutions from concept to deployment. Hands-on in full SDLC—requirement analysis, development, and testing—ensuring alignment with business goals. Experienced in Agile environments, collaborating with cross-functional teams to transform requirements into user-centric applications. Proficient in responsive UI development. Skilled in PostgreSQL, MongoDB, Flutter, and React.

- SDLC • Mobile App Development • Problem-Solving • Object Oriented Programming (OOP)
- Cloud Services • Version Control & CI/CD Design Patterns • Communication & Collaboration

Languages: Dart, JavaScript, SQL

Web: HTML5, CSS, jQuery, Tailwind CSS, React.js

Web Services: REST, WebRTC

Frameworks: React (library), Flutter

Databases: MySQL, MongoDB, PostgreSQL

Design Patterns: Singleton, Factory Method, Abstract Factory

SDLC: Agile, V-Model

Tools: Maven, Gradle, Visual Studio, IntelliJ IDEA, Git, JIRA, Trello, GitHub, Postman, GitLab

Platforms: Windows, Linux, AWS

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

MY VISION MATCH LLC (MVM), Seattle, USA (Remote) • 08/2023 – 10/2024

Microsoft Certified International IT Consulting and Cybersecurity firm.

Software Developer

- Built intuitive mobile interfaces using Flutter and managed app state with RiverPod, enhancing user experience and responsiveness.
- Developed dynamic and scalable web applications using React, delivering clean, fast, and responsive UIs across devices.
- Optimized performance by implementing efficient UI patterns using lazy loading, memoization techniques, and asynchronous rendering, reducing load times by up to 35%.
- Integrated third-party APIs including Stripe, PayPal, and Telnyx WebRTC, enabling secure payments and real-time voice communication.
- Implemented OTP login with Flutter, Firebase Auth, and Telnyx, and integrated Stripe for secure international payments.
- Managed full Android app deployment on Google Play Store, optimizing build configs, release tracks, and compliance, achieving 99.9% uptime and 20% faster load times.
- Deployed React applications using AWS S3, and CloudFront as a CDN, resulting in 40% faster global load times, enhanced reliability, and 99.9% uptime across multiple regions.

Technologies Used: React, RiverPod, WebRTC, MySQL, MongoDB, Android Studio & Flutter CLI.

BETA RESEARCH AND DEVELOPMENT PLC, Addis Ababa, Ethiopia • 04/2023 – 06/2023

Beta Research and Development PLC is a leading provider of IT and electrical equipment materials in Ethiopia Established in 2022.

Jr. Software Developer

- Built a mobile-first tender management app (Flutter/Firebase/Google Cloud) that digitized Ethiopia's paper-based system, cutting processing time by 80% and improving stakeholder access.
- Designed and built an intuitive Flutter UI with modern UX patterns, boosting engagement by 30% and reducing onboarding drop-offs.

- Integrated Node.js RESTful APIs for real-time tender data sync, cutting retrieval time by 40% and ensuring seamless cross-device updates.
- Implemented secure auth (JWT), form validation, and Express error handling to ensure data integrity and user trust.
- Ran cross-device testing (Firebase Test Lab/Android Emulator), fixing compatibility issues to cut user-reported bugs by 25% and boost app stability.

Technologies Used: *Flutter, Express, Figma, WebSockets, Android Studio & Flutter CLI, Google Play Console, PostgreSQL, Express.js.*

INTERNSHIP EXPERIENCE

Beta Research and Development PLC, Addis Ababa, Ethiopia • 01/2023 – 03/2023

A leading provider of IT and electrical equipment materials in Ethiopia.

Front-end Developer

- Built and optimized interactive user interfaces using React and TailwindCSS, improving page load times by 20% and enhancing overall user experience through responsive design and smooth navigation.
- Integrated RESTful APIs with React components for real-time data display and CRUD operations, ensuring seamless synchronization of application state with backend services.
- Implemented efficient state management with Redux to handle complex application states, reducing bugs and improving maintainability by 30% during development iterations.

Technologies Used: *React, MongoDB, NodeJS.*

ACADEMIC PROJECTS

Maharishi International University (2025)

Cloud ecommerce app: A serverless AWS e-commerce platform using Lambda, DynamoDB, S3, and Cognito, with Terraform for IaC and CI/CD for deployments. Developed the React frontend, Node.js backend, and scalable cloud architecture. Tech: AWS, Terraform, React, Node.js, Git.

PERSONAL PROJECTS

MindRest remote mental health solution: MindRest is a real-time mental health platform with secure authentication and AI-powered therapist matching. As a Full Stack Developer, I built the frontend (React), backend (Node.js/Express), integrated ML models, and deployed on AWS. Tech stack: React, Express.js, MongoDB, Git.

Amharic Information Retrieval (IR) 2023: A linguistically optimized Amharic search engine with custom stemming, TF-based ranking, and a React/Node.js/MongoDB stack. Developed algorithms for text processing and search optimization.

CSV Data Analysis Tool 2023: A Bash/Zenity tool for CSV analysis with row/column stats, sorting, and backups. Designed the script, GUI, and documentation for user-friendly operation.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 06/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Web Application Programming, Algorithms, Cloud Computing, Enterprise Architecture*

Bachelor of Science in Computer Science

HiLCoE School of Computer Science and Technology, Addis Ababa, Ethiopia (05/2024)