

Soshal Dahal

Middle Full Stack Developer

SUMMARY

Full Stack Developer with 3+ years of experience in React.js, Node.js, and Express, working with databases like MongoDB, MySQL, and PostgreSQL. Experienced in building scalable web applications and APIs, with hands-on use of AWS services including Cognito, Lambda, S3, and EC2. Skilled in implementing secure authentication systems (Cognito, Keycloak, CAS) and role-based access control. Strong foundation in clean architecture, CI/CD with GitHub Actions, and agile practices. Computer Science graduate with experience in microservices, monorepos, and performance optimization across healthcare, education, and sustainability domains.

TECHNICAL SKILLS

Main Technical Skills	React (3 yr.), Node.js (3 yr.), Express (3 yr.), MongoDB (3 yr.), MySQL (3 yr.)
Programming Languages	JavaScript (3 yr.), TypeScript
JavaScript Frameworks	Express (3 yr.), Ext JS, Node.js (3 yr.), React (3 yr.)
.NET Platform	Identity Server
JavaScript Libraries and Tools	Mongoose (3 yr.)
Databases & Management Systems / ORM	MongoDB (3 yr.), MySQL (3 yr.), Sequelize (3 yr.), Typeorm
UI Frameworks, Libraries, and Browsers	CSS, HTML, Material UI, Tailwind CSS
Amazon Web Services	AWS Cognito, AWS IAM, AWS Lambda, AWS S3, AWS SQS
SDK / API and Integrations	API (3 yr.), Keycloak, Swagger
Scripting and Command Line Interfaces	Bash
Deployment, CI/CD & Administration	CI/CD
Virtualization, Containers and Orchestration	Docker
Version Control	Git (3 yr.)
Collaboration, Task & Issue Tracking	Jira

Methodologies, Paradigms and Patterns	microservices, Monorepo
Blockchain and Decentralized Software	Optimism
QA, Test Automation, Security	Postman

WORK EXPERIENCE

Full Stack Developer (Contract) - Helvetas + Kathmandu University (Urban Future Scape Project)

Duration: Jan 2025 - Feb 2025

Summary:

- An interactive platform for urban sustainability research and geospatial data visualization developed for Helvetas and Kathmandu University
- The platform supports urban research and sustainability by providing user-friendly interfaces and secure backend services

Responsibilities:

- Built the complete frontend, backoffice, and RESTful APIs as a solo developer.
- Developed scalable and user-friendly interfaces using React.js.
- Designed and implemented secure backend services using Node.js and Express.
- Structured and connected data models using MongoDB and PostgreSQL.
- Collaborated with stakeholders for timely feedback and adjustments.

Technologies: React.js, Node.js, Express, MongoDB, PostgreSQL

Full Stack Developer - Kotuko Nepal Pvt Ltd (Multiple Full-Stack Web Applications)

Duration: March 2022 - Present

Summary:

- Development and maintenance of multiple scalable full-stack web applications using modern technologies
- The projects involved both greenfield and existing codebases, focusing on delivering performant features in agile teams

Responsibilities:

- Developed and maintained web applications using Node.js, Express, React, MongoDB, PostgreSQL, and MySQL.
- Collaborated with cross-functional teams including designers, developers, and project managers.
- Followed clean Git workflows including feature branching, pull requests, and code reviews.
- Handled API design, frontend integration, project planning, task estimation, and bug resolution.

Technologies: Node.js, Express, React, MongoDB, PostgreSQL, MySQL, Git, AWS



Backend Developer (Arriva)

Summary: A large-scale public transportation platform serving thousands of users across Italy, managing complex operations such as user authentication, ticketing, and asynchronous backend processing.

Responsibilities:

- Integrated AWS Cognito for secure and scalable user authentication and authorization.
- Used AWS SQS and Lambda to automate backend tasks asynchronously.
- Implemented optimized backend logic for bulk user data exports and processing without downtime.
- Built and maintained REST APIs for ticket bookings, admin tools, and real-time system updates.
- Applied best practices for secure API development, validation, and access control.

Technologies: Node.js, Express, MySQL, Sequelize, AWS Cognito, Lambda, SQS, S3

Full Stack Developer - Humanitas University (Transfer Portal)

Summary: A digital portal for managing student transfer applications to Humanitas University, facilitating submissions, reviews, and documentation for students and university staff.

Responsibilities:

- Developed secure RESTful APIs for form submissions, user management, and file uploads.
- Implemented dynamic form rendering and validation on the frontend using React.
- Integrated AWS S3 for secure storage and retrieval of sensitive student documents with role-based access.
- Built admin dashboards for efficient application review and response.
- Ensured data privacy, input sanitization, and error handling across all layers.
- Collaborated directly with stakeholders to align functionality with university workflows.

Technologies: Node.js, Express, PostgreSQL, Mongoose, React.js, AWS S3

Full Stack Developer (ISMEA – Dynamic Form Management Platform)

Summary: A modular web application built on the Entando platform to manage and publish government subsidy forms dynamically, enabling non-technical users to configure complex form flows from a centralized backoffice.

Responsibilities:

- Built a backoffice system for admins to create, configure, and publish dynamic forms without developer intervention.
- Developed multi-step form flows in React for end-users, ensuring responsiveness on desktop and mobile.
- Integrated with CAS-based authentication system for secure access control and session handling.
- Handled high traffic loads and large-scale form submissions efficiently.
- Stored and processed structured form data in MongoDB for scalability and easy querying.
- Focused on validation, sanitization, and structured error responses for a smooth user experience.
- Collaborated with Entando's architecture to ensure reusability, modularity, and compliance with standards.

Technologies: Node.js, Express, MongoDB, React.js, CAS (Central Authentication Service)



Full Stack Developer (Aida – Healthcare Marketing Portal)

Summary: A platform designed to manage marketing campaigns and outreach for healthcare services, featuring role-based dashboards, AI-assisted campaign suggestions, and performance analytics.

Responsibilities:

- Developed features for campaign creation, lead tracking, and segmented targeting.
- Created APIs using Node.js and Express with MySQL via Sequelize ORM.
- Integrated ChassureCat AI framework for smart content generation and engagement insights.
- Used Keycloak for secure authentication and role-based access control.
- Built responsive UIs with React.js including dashboards, analytics, and form builders.
- Optimized SQL queries and backend logic for real-time data handling.
- Ensured secure handling of healthcare-related data in compliance with best practices.

Technologies: Node.js, Express, PostgreSQL, Sequelize, React.js, ChassureCat AI Framework, Keycloak

EDUCATION

- **Bachelor of Science in Computer Science and Information Technology**
Patan Multiple campus, Lalitpur, Nepal, Tribhuvan University
2019 - 2023
- **High School (+2 Science)**
Arniko Aawasiya Higher Secondary School, Biratnagar, Nepal, NEB
2017 - 2019
- **School (SEE)**
Everest English Boarding School, Biratnagar, Nepal, NEB
Until 2017

