

AAYU SHRESTHA

Software Engineer

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CAREER SUMMARY:

Passionate about coding solutions for real-time challenges. Currently contributing as a Software Engineer at Amnil Technologies, totaling over 2 years of professional experience in developing and deploying web and mobile applications. I am eager to expand my programming skills, learn from new experiences, and make a positive impact through effective solutions and effective collaboration within cross-functional teams.

SKILLS:

Frontend: React.js, Next.js, React Native, Redux, Redux Toolkit, React Query, HTML, CSS, Tailwind CSS, JavaScript, TypeScript, Axios

Backend, Databases & Messaging: Node.js, Express.js, SQL, MongoDB, Firebase, RabbitMQ

Cloud & DevOps: Docker, CI/CD exposure

Mobile App Deployment: iOS App Store Deployment, Google Play Store Deployment, App Signing, Build & Release Management

Analytics, Monitoring & Error Tracking: Google Analytics, Firebase Analytics, Microsoft Clarity, Sentry

Testing: Jest, React Testing Library

Microservices & APIs: GraphQL, Rest API, Websocket

WORK EXPERIENCE:

Software Engineer

Amnil Technologies Pvt. Ltd. | July, 2024 – Present

- Developed and maintained **Ncell App** features with **React Native** and **React**,
- Developed and integrated multiple features, including widget support, resource management, referral, OTP authentication, and subscription management,
- Implemented deep linking to enable seamless navigation from external sources into specific app screens.

React Developer

Smart Solutions Technology Pvt. Ltd. | June, 2023 – July, 2024

- Built web applications with **React.js** and **Next.js**, integrating **Redux Toolkit** for state management.
- Integrated **Websocket** and **GraphQL** for real time chat system.
- Translated UI/UX wireframes into responsive, performant user interfaces.
- Contributed to mobile app development with **React Native**.
- Implemented reusable components and optimized frontend for performance.

React Native Internship

Amnil Technologies Pvt. Ltd. | Jan, 2023 – May 2023

- Gained focused training in React Native for robust mobile applications, acquiring practical skills in React, HTML and CSS for effective content structuring and styling.
- Learned **Redux Saga** for state management and utilized Axios for efficient data fetching.
- Independently developed an e-commerce demo project to apply learned principles in a practical setting.

PROJECTS:

Ncell App (React Native)

- Built and improved features for the **Ncell** mobile app using **React Native**
- Built and optimized **deep linking** support for the app, enabling users to navigate directly to features and offers from external sources.
- Utilized **Redux** for global state management and **Firebase** for backend services like analytics and crash reporting.
- Solely responsible for developing new features every sprint like Auto Renewal and Scheduler, Product Referral, Resource Exchange, implementing Consent OTP handling, UI/UX Improvements, and more.

Interpreter Booking Web App (Next.js, Node.js)

- Developed a web application using **Next.js** for booking interpreters.
- Designed and implemented role-based access control for multiple user roles while developing a real-time chat system using **WebSocket** and **GraphQL** with a **Node.js/TypeScript** backend.
- Used **Redux Toolkit** for efficient data fetching and state management.
- Integrated **Google FCM (Firebase Cloud Messaging)** to enable robust notification delivery across both iOS and Android platforms.

Pixel Revive (React.js, Redux Toolkit Query)

- Developed a web application focused on AI-powered photo enhancement using **React.js**
- Enabled users to upload and enhance photos with features like sharpening, noise reduction, color correction, and more.
- Implemented interactive pop-ups for editing tools and settings,
- Used Redux Toolkit for efficient data fetching and state management.
- Added a text summarization feature for users to quickly generate concise descriptions or captions for their images.

Nepal In Data (HTML, CSS, JS)

- Built the entire frontend architecture, making sure all the pieces worked smoothly together and delivered a consistent, user-friendly experience across all platforms.
- Integrated dynamic charts, graphs, and infographics to present complex datasets in an accessible and engaging manner.
- Built powerful search and filter features that made it easy for users to quickly find what they needed, even in large and complex datasets.
- Optimized frontend performance by implementing lazy loading, code splitting, and minimizing render-blocking resources.

EDUCATION:

BSc. Computer Science and Information Technology (74%) – Prime College, Nayabazar, Kathmandu (Aug 2018 – Sep 2023)

+2 Science (75.6%) – St. Xavier's College, Maitighar, Kathmandu (Oct 2015 – Apr 2017)

School Leaving Certificate (88.6%) – Swarnim School, Dallu Awas, Kathmandu (May 2014 – May 2016)

ADDITIONAL INFORMATION

Languages: English, Hindi, Nepali