

Asmin Budha

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EXPERIENCE

- **Senior Software Developer** Vienna, Austria
Dec 2021 – Current
 - *Quivo (formerly Logsta)*
 - Implemented a quick rollback feature in deployment pipeline, completing execution in under a minute
 - Designed and implemented conditional TTL-based record removal in **DynamoDB** by leveraging postsave event streams, avoiding additional infrastructure and optimizing operational cost.
 - Led migration of Shopify's API from **REST** to **GraphQL**, improving data retrieval efficiency and reducing API latency by 30%.
 - Led development of Pop-up Notification System, enabling admins to create critical notifications to ensure important updates are not missed.
 - Optimized search performance by 40% through pre-aggregating searchable text, reducing search fields, and refining ElasticSearch analyzers.
 - Enhanced CI/CD pipelines using Github Actions, reducing deployment time and improving code review consistency.
 - Architected Stripe Integration for automated subscription payments, ensuring secure and reliable transactions within existing infrastructures.
 - Developed integrations with diverse third-party systems such as REST APIs, SOAP services, GraphQL endpoints, remote server file interfaces, event-driven pipelines, and webhook-based workflows.
 - **Technologies:** Java, NodeJS, GraphQL, REST API, AWS Lambda, DynamoDB, MariaDB, ElasticSearch, Docker, Event-Driven Architecture
- **Software Engineer** Kathmandu, Nepal
Jan 2019 - Nov 2021
 - *Leapfrog Technology*
 - Optimized QR code scanning performance to process 50 QR codes within seconds by integrating the BoofCV SDK and implementing a React Native bridge.
 - Contributed to the open-source react-native-camera library by adding a feature for specifying paths to save captured images.
 - Reduced memory leaks in the application by profiling, using efficient caching (Reselect), and optimized native modules.
 - Integrated multiple authentication methods, including LDAP and Cognito, by segregating API routes based on user roles.
 - **Technologies:** React, React Native, Android, Micronaut, Java, Firebase, NodeJS, PostgreSQL
- **Software Engineer, Intern** Kathmandu, Nepal
Nov 2018 - Dec 2018
 - *Leapfrog Technology*
 - During my internship, I learned about design thinking, code standard, and GitHub practices, pixel-perfect web designs, and created a 2.5D racing game with Vanilla JS.
 - **Technologies:** HTML, CSS, JS
- **Software Engineer** Butwal, Nepal
Jan 2017 - Jul 2018
 - *Doersbase Softudio*
 - Designed and developed a robust accounting desktop application using Java and Swing.
 - Developed dynamic websites using WordPress and PHP tailored to client requirements.
 - Built Android applications, enhancing user engagement and expanding functionality.
 - **Technologies:** Java, Swing, MySQL, Android
- **Freelancer**
 - **Safer Siren:**
 - Integrated a background location service in Android application to continuously monitor geolocation and publish real-time updates.
 - **Technologies:** React Native, Android, MQTT
 - **Habitat Nepal:**
 - Developed a sub-module to track and manage various house designs, categorized by location and type.
 - **Technologies:** React, Firebase

EDUCATION

- **Tribhuvan University** Nepal
Oct 2014 - Dec 2018
 - Bachelor of Computer Science and Information Technology, 71.93%
 - **Coursework:** Data Structures, Linear Algebra, Discrete Mathematics, Databases, Compiler, Artificial Intelligence, etc.

SKILLS SUMMARY

- **Architecture & Design:** Microservices, Event-Driven Architecture, Client-Server, RESTful Services, AWS SNS/SQS
- **Programming Languages & Frameworks:** Java, Micronaut, Android, JavaScript, NodeJS, React, React Native, C++
- **Cloud & DevOps:** AWS (Lambda, EC2, S3, RDS, DynamoDB, Step Functions), Docker, Kubernetes, Firebase
- **Databases:** SQL (PostgreSQL, MariaDB, MySQL), NoSQL (MongoDB, DynamoDB, Elasticsearch)
- **Tools & APIs:** GraphQL, REST APIs, Postman, Swagger, Git/GitHub, JIRA, Linux

AWARDS AND CERTIFICATIONS

- Contributed to **react-native-camera** minor release feature
- **Introduction to Database Engineering** Certification by Udemy (2021)
- **Problem Solving (Advanced)** Certification by Hackerrank (Sep 2020)
- **Winner** at National Programming Contest (2017)
- **Óreilly Badges:**
 - Microservices with Containers
 - Code Like a Pro
 - Apache Kafka for Beginners
 - CI/CD Pipeline