

# Rasil Baidar | Full Stack Developer

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## Professional Summary

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Full-stack developer (4+ yrs) building production apps with TypeScript/Node.js, React/Next.js, PostgreSQL/MongoDB, AWS (EC2, S3, CloudWatch), and Redis. Shipped monday.com marketplace apps end-to-end (PDF/DOCX pipeline, multi-user signing) and led small teams to production.

## Technical Skills

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- **Language:** TypeScript, JavaScript, Python, HTML, CSS
- **Frameworks:** Node.js, Express, NestJS, Next.js, React, GraphQL, React-Native
- **Data:** MySQL, PostgreSQL, MongoDB, DynamoDB
- **Cloud/DevOps:** AWS (EC2, S3, CloudWatch, Amplify), Redis
- **Realtime Media:** WebRTC, SFU (mediasoup)
- **Tools:** Notion, monday.com, Jira, Slack, Figma, Unix/Linux

## Work Experience

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### Jetpack Work Labs – Full-Stack Developer (Jan 2023 – Sep 2025, Sydney • Remote)

- Made key contribution in the development of multiple monday.com marketplace apps (e.g: [Getsign](#), [Smart Columns](#), [Jobflows](#), [Smart Embed View](#), and [Pivot Reports Pro](#)) using TypeScript, Node.js/Express, React/Next.js, MongoDB.
- Built document workflow (HTML->DOCX, and DOCX->PDF conversion with LibreOffice/ Docxtemplater, multi-user signing templating), reducing manual contract preparation and errors.
- Developed CKEditor 5 plugins to insert dynamic monday.com content into rich-text documents.
- Integrated SEEK job-posting GraphQL APIs for automated recruitment flows.
- Improved performance of high-traffic views using server-side **caching**, **cursor pagination**, and **streamed responses**; optimized **p95 latency** and memory usage.
- Deployed/operated on AWS (EC2, S3, Cloudwatch).

**Tech:** TypeScript, Node.js/Express, React/Next.js, GraphQL, MongoDB, CKEditor 5, LibreOffice, Docxtemplater, AWS (EC2, S3, CloudWatch, Amplify), CI/CD.

### WesisionaryTeam – Full-Stack Developer (May 2022 – Jan 2023, Nepal • Hybrid)

- Led a team of four to deliver an influencer-marketing SaaS for Kol Technologies from MVP to production (planning, code reviews, release trains).
- Converted Figma designs into a reusable **React component system**, improving consistency and development speed.
- Implemented **Auth0/OIDC** with role-based access; built **Express/PostgreSQL** APIs with versioning and **OpenAPI** docs for safe client upgrades.
- Tuned responsiveness and reliability via **query optimization**, **caching**, robust error handling; added product analytics for funnel tracking.

**Tech:** React, TypeScript, Node.js/Express, PostgreSQL, Auth0, Swagger

### Rumsan Group – Junior Software Engineer (Nov 2020 – May 2022, Nepal • Hybrid)

- Shipped features for **SaaS** and **NFT marketplace** products (React, Node.js, MongoDB), including third-party payments and integrations.
- Increased backend reliability with **structured logging**, strict input validation, and background workers for heavy tasks.

- Partnered with design/QA to improve usability and reduce support load.

**Tech:** Ethers.js, Web3.js, React, Node.js, Hapi.js, HTML, CSS

### Kathmandu University – Associate AI/ML researcher (Oct 2019 – March 2020, Nepal • On-site)

- Co-authored and presented at **ICON 2020** a Tamang–Nepali machine-translation system; built corpus tools, data pipelines, and evaluation scripts.

## Education

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**Master of Applied Information Technology**, Victoria University, Sydney – Feb 2024 – Nov 2025

**Bachelor's degree of Computer Science**, Kathmandu University, Nepal – Feb 2015 – Nov 2019

## Publications

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Baidar, R., Maric, S., & Abbas, R. (2025). Hybrid Deep Learning-Federated Learning Powered Intrusion Detection System for IoT/5G Advanced Edge Computing Network. arXiv:2509.15555 [cs.CR]. <https://arxiv.org/abs/2509.15555>

Maric, S., Baidar, R., Abbas, R., & Reisenfeld, S. (2025). *System Security Framework for 5G Advanced/6G IoT Integrated Terrestrial Network–Non-Terrestrial Network (TN-NTN) with AI-Enabled Cloud Security*. arXiv:2508.05707. <https://arxiv.org/abs/2508.05707>

Chaudhary, B. K., Bal, B. K., & Baidar, R. (2020). Efforts towards developing a Tamang–Nepali machine translation system. In P. Bhattacharyya, D. M. Sharma, & R. Sangal (Eds.), *Proceedings of the 17th International Conference on Natural Language Processing (ICON 2020)* (pp. 281–286). NLP Association of India (NLPAI). <https://aclanthology.org/2020.icon-main.37/>

## References

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### Nir Ofir

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