

AMAN MAHARJAN

Senior Software Engineer

SUMMARY

- Full-stack engineer with 6+ years of expertise in TypeScript, React, React Native, Node.js, and .NET Core, delivering scalable B2B and healthcare applications with 40% latency reduction through query optimization.
- Proficient in integrating analytics SDKs (Mixpanel, Firebase, AdMob) and implementing secure JWT authentication and role-based access control in cross-platform mobile apps.
- Experienced in CI/CD pipelines using GitLab CI/CD, automated testing (Jest, Cypress), and cloud deployments on AWS and Docker, enabling rapid iterative releases and A/B testing.
- Strong background in SQL databases (PostgreSQL, MySQL, SQL Server) with advanced query optimization for analytics-driven growth metrics.
- Holds an MSc in Computer Science and IT, skilled in modular architecture, feature flags, and AI-augmented development to accelerate coding and improve UX flows.

TECHNICAL SKILLS

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| Main Technical Skills | TypeScript (6 yr.), React (6 yr.), React Native (6 yr.), Node.js (6 yr.), .NET Core (8 yr.) |
| Programming Languages | Objective-C (5 yr.), Swift (5 yr.), TypeScript (6 yr.) |
| Android Libraries and Tools | Android APIs |
| .NET Platform | ASP.NET MVC (8 yr.), Entity Framework (8 yr.), Identity Server (5 yr.), .NET Core (8 yr.), Razor Pages |
| PHP Frameworks | CakePHP, CodeIgniter, Slim |
| C++ Libraries and Tools | C/C++/C# (8 yr.) |
| Mobile Frameworks and Libraries | Crashlytics (3 yr.) |
| JavaScript Frameworks | D3.js, jQuery, Node.js (6 yr.), React (6 yr.) |
| JavaScript Libraries and Tools | Expo, Mobx, React Native (6 yr.), Redux-Saga (5 yr.), Redux-toolkit (5 yr.) |
| Data Analysis and Visualization Technologies | Mixpanel (3 yr.) |
| Databases & Management Systems / ORM | MySQL (8 yr.), PostgreSQL (5 yr.) |

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| UI Frameworks, Libraries, and Browsers | Bootstrap 4, Chart.js, CSS, D3.js, HTML, jQuery, Storybook, TinyMCE |
| Cloud Platforms, Services & Computing | AWS (5 yr.) |
| Amazon Web Services | AWS SAM |
| Azure Cloud Services | Azure Cloud Functions |
| QA, Test Automation, Security | Allure Report (8 yr.), Cypress (5 yr.), Jest (5 yr.), Unit Testing, xunit |
| SDK / API and Integrations | Android APIs, RESTful API |
| Collaboration, Task & Issue Tracking | Asana, Atlassian Trello, Jira |
| Version Control | BitBucket, Git, Github Actions |
| Virtualization, Containers and Orchestration | Docker (5 yr.) |
| UI/UX/Wireframing | Figma, Prototyping |
| Deployment, CI/CD & Administration | GitLab CI (5 yr.) |
| iOS Libraries and Tools | MDM (5 yr.), SwiftPM, SwiftUI, UIKit |
| Methodologies, Paradigms and Patterns | microservices architecture, MVC, MVVM |
| Platforms | Unity |
| Third Party Tools / IDEs / SDK / Services | Visual Studio, XCode |
| Other Technical Skills | AdMob (3 yr.), cocos2d, LINQ to SQL (8 yr.), repositories, svg-sprite |

WORK EXPERIENCE

Freelance React Native Engineer, Freelance React Native Engineer

Duration: 07/2025-Present

Responsibilities: Develop and maintain web applications; collaborate in Agile teams; integrate frontend with backend APIs; implement secure authentication; contribute to CI/CD pipelines and automated testing.

Technologies: React, TypeScript, Redux Toolkit, .NET Core, Node.js, JWT, RESTful APIs, GitLab CI/CD, Jest, Cypress, AWS, Docker

Senior Freelance React Native Engineer, Cross-platform B2B Mobile Applications

Duration: 02/2021 – 07/2025

Responsibilities: Develop and maintain mobile apps; integrate backend APIs; implement authentication and security; automate CI/CD pipelines; client collaboration; code reviews and



testing.

Technologies: React Native, TypeScript, Redux Toolkit, .NET Core, PostgreSQL, GitLab CI/CD, Jest, Cypress, AWS

CEO & Lead Developer, IMAFY Healthcare App

Duration: 02/2020 – 08/2023

Responsibilities: Lead development of healthcare app; migrate legacy modules; implement state management and authentication; collaborate with designers; optimize performance; automate testing and deployment.

Technologies: React Native, Redux Toolkit, JWT, .NET Core, Docker, GitLab CI/CD, PostgreSQL

Freelance React Native Developer, Healthcare and Logistics Mobile Applications

Duration: 05/2020 – 09/2020

Responsibilities: Develop mobile apps; implement authentication; enhance UI; integrate third-party services; collaborate with backend developers.

Technologies: React Native, Redux, AsyncStorage, SMS OTP APIs, Cloud Sync

Freelance .NET Consultant / Developer, School Management System

Duration: 02/2020 - 04/2023

Responsibilities: Consult on school management system; develop new features; create reports; write stored procedures; migrate legacy systems.

Technologies: C#, ASP.NET, SQL Server, Crystal Reports, LINQ to SQL

Senior .NET Developer, School Management System

Duration: 11/2012 – 02/2020

Responsibilities: Maintain and extend school management system; develop features; design reports; optimize database; collaborate with clients; migrate legacy systems.

Technologies: C#, ASP.NET, Entity Framework, WinForms, Crystal Reports, T-SQL, LINQ to SQL

Senior Freelance Web Developer, Revenue Entry System Enhancements

Duration: 01/2018 – 01/2019

Responsibilities: Develop new features; implement user activity history; add notice board; migrate web app and database to new server.

Technologies: MySQL, TinyMCE, CentOS, Web Technologies

Software Developer, iOS Game Development

Duration: 01/2012 - 12/2020

Responsibilities: Develop iOS games; maintain full-stack apps; add features; create templates.

Technologies: Swift, Sprite Kit, Unity 3D, ARKit, C#, PHP, HTML, JavaScript, CSS, PayPal Integration

iOS Game Developer, Maze Arcade Game Development

Duration: 02/2016 – 06/2017

Responsibilities: Develop game; design levels; implement AI; integrate analytics; monetize app; collaborate with team.

Technologies: Cocos2d, Sprite Kit, Swift, Objective-C, Mixpanel, AdMob, Chartboost



EDUCATION

- **MSC IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**
Tribhuvan University, Kirtipur, Nepal
2018-
- **BSC IN COMPUTER SCIENCE**
Amrit Science College Tribhuvan University, Kathmandu, Nepal
2009-

