

# SAGAR MAHARJAN

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## FRONTEND ENGINEER

Experienced Frontend Engineer with over 6 years of experience specializing in the development of responsive, accessible, and high-performance user interfaces. Expertise in crafting financial web applications for Nepal's banking sector, with a proven track record of delivering intuitive and secure solutions. Skilled in modern front-end technologies, including JavaScript, TypeScript, Angular, and CSS, with a strong focus on creating exceptional user experiences through clean, efficient, and maintainable code. Dedicated to continuously improving and staying at the forefront of web development trends, ensuring that each project not only meets but exceeds user expectations.

WCAG Compliance • Web Performance • Hoisting • Closures • Dependency Injection • Circular Dependency Prototyping • Box Model • BEM Naming Conventions • HTML Semantics • Agile Development

**Languages:** JavaScript, Typescript

**Web:** HTML, CSS, SCSS, Gulp, Grunt, NPM, Webpack, WordPress, Magento, TSC

**Web/App Servers:** Apache, NodeJS

**Frameworks:** Angular, AngularJS, jQuery, NodeJS, Bootstrap, Foundation, Material UI, Tailwind CSS, Meteor, Mongoose

**Databases:** MongoDB, MySQL, MariaDB SQL

**SDLC:** Scrum, Kanban, ScrumBan

**Tools:** Jenkins, Rancher, cPanel, FileZilla, Figma, Zeppelin, Adobe Photoshop, Adobe Illustrator, GitHub, Gitlab, Bitbucket, Teams, Confluence, Slack, Skype, Trello, Jira, Visual Studio, Dreamweaver, WebStorm, Bracket, Notepad++, Chrome Browser, Firefox Browser, Edge Browser

**Platforms:** Windows, Linux

## PROFESSIONAL EXPERIENCE

**CAREER NOTE:** Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

### SMART CARD NEPAL PVT. LTD (MYPAY NEPAL), Bhaktapur, Nepal • 05/2023 – 12/2023

Financial Technology Industry.

#### Senior Frontend Engineer

Developed scalable and efficient front-end solutions.

- Developed Nepal's first gold trading web app with Angular, integrated card payments, boosting office revenue by 10%, increasing user traffic, and enhancing customer trust.
- Created an online voting application for various contested events using Angular, delivering an intuitive user experience that increased voter participation and boosted event postings by organizers by 30%
- Integrated Bank QR and card payment systems into multiple web applications, leading to a 30% increase in office revenue and a 50% rise in user participation.
- Improved team communication by encouraging constructive feedback, which boosted collaboration and supported the company's growth.
- Eliminated the project backlog, streamlined front-end workflows, and boosted efficiency, helping accelerate company growth and set the business up for future success.

**Technologies Used:** JavaScript, TypeScript, HTML, CSS, SCSS, Angular, Bootstrap, Material Design, Figma, Adobe Photoshop, GitHub, Teams, Confluence, Jira, Visual Studio, Chrome Browser, Firefox Browser, Edge Browser, Windows OS

### F1SOFT INTERNATIONAL PVT. LTD, Lalitpur, Nepal • 09/2019 – 05/2023

F1Soft, Is a giant in the financial technology industry in Nepal.

#### Senior Frontend Engineer (07/2022 - 05/2023)

Specialized in building scalable and user-centric applications using JavaScript frameworks and Angular.

- Resolved high-priority Payment System Provider (PSP) bugs in real-time, reducing workflow disruptions by 90%, boosting team productivity, and accelerating project timelines.

- Implemented Git subtree, accelerating development by 80%, boosting product delivery by 50%, and increasing revenue by 30% through reduced redundancy and enhanced efficiency.
- Designed and implemented a streamlined QA workflow with Rancher and Jenkins, reducing backend dependency, speeding up testing, optimizing deployment, and boosting productivity.
- Maintained semantic versioning documentation in Confluence, cutting feature conflicts, clarifying deployment, and improving integration and project transparency.

#### **Mid-Level Frontend Engineer (09/2019 - 06/2022)**

- Integrated Webpack into the AngularJS application, optimizing the build process, cutting load times, and boosting development efficiency by 30%.
- Initiated a cultural shift, proving front-end developers can handle complex tasks, cutting backend workload by 60%, and reducing design bugs by 95%, boosting cross-functional collaboration and project efficiency.
- Enhanced code quality by meticulously removing all legacy cutting redundancy, improving consistency, and raising development standards.
- Delivered high-quality work and supported colleagues, reducing the team's workload and improving efficiency, enabling easier deadline management and maintaining high standards.

**Technologies Used:** *JavaScript, TypeScript, HTML, CSS, SCSS, Angular, AngularJS, Foundation, Bootstrap, Material Design, Jenkins, Rancher, cPanel, FileZilla, Figma, Zeppelin, Adobe Photoshop, Adobe Illustrator, Gitlab, Teams, Confluence, Jira, Visual Studio, Chrome Browser, Firefox Browser, Edge Browser*

#### **SMARTSITES NEPAL PVT. LTD, Kathmandu, Nepal • 09/2018 – 09/2019**

Web Application Provider.

#### **Mid-Level Front-end Developer**

Built and maintained websites.

- Applied responsive design with HTML, CSS, and JavaScript, boosting mobile conversions by 30% and reducing bounce rates by 20%.
- Utilized Flexbox for layout design, replacing float-based layouts to reduce design complexity by 50%, which increased productivity by 40%, streamlining the overall design process.
- Enhanced the development workflow by optimizing SCSS, cutting redundant code and simplifying processes, leading to cleaner code, improved efficiency, and faster project completion.
- Integrated HTML semantics and improved site structure, reducing code comments and boosting SEO performance, leading to higher search engine rankings and more organic traffic.

**Technologies Used:** *HTML, CSS, JavaScript, Sass, Magento, PHP, jQuery, cPanel, FileZilla, Zeppelin, Adobe Photoshop, Bitbucket, Teams, Confluence, Skype, Trello, Visual Studio, Chrome Browser, Firefox Browser, Edge Browser*

#### **YARSHA STUDIO PVT. LTD, Lalitpur, Nepal • 07/2017 – 09/2018**

Website Provider

#### **Frontend Developer**

Built responsive websites.

- Utilized the Bootstrap CSS framework to design the frontend, streamlining workflows and boosting productivity by 70%, which enhanced efficiency and enabled faster, more consistent development across projects.
- Developed the UX for our application using AngularJS, expanding the company's service offerings, securing 30% more projects, and directly contributing to increased revenue and growth opportunities.
- Implemented responsive design techniques using HTML and CSS to enhance user experience across multiple devices, improving overall accessibility and user satisfaction.
- Enhanced website animations and interactivity with jQuery, boosting user engagement through smoother transitions and richer interactive elements.

**Technologies Used:** *JavaScript, jQuery, AngularJS, HTML, CSS, Gitlab, Ubuntu, cPanel, FileZilla, Adobe Photoshop, Slack, Trello, Visual Studio, Dreamweaver, WebStorm, Bracket, Notepad++, Chrome Browser, Firefox Browser, Edge Browser*

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### **ACADEMIC PROJECTS**

**Maharishi International University (2024) Self-Dev-Art:** The project aimed to develop a full-stack MEAN application for managing users' favorite self-development articles. It features collections for user profiles and articles, uses JWT for secure authentication, and supports CRUD operations for both posts and user data. Comments are stored as subdocuments within articles, enabling user interaction. This implementation ensures a seamless, secure user experience. Technologies used include Node.js, Express, MongoDB, and Angular.

**Maharishi International University (2024) Anonymous Daily Diary:** The project involves developing a dynamic application where users can post daily views, like or dislike others' posts, and engage with content. Built with ReactJS for a responsive front-end, NodeJS for server-side functionality, and TypeScript for type safety and robust code quality.

## **EDUCATION**

### **Master of Science in Computer Science**

*(In progress via distance education; expected completion 11/2026)*

Maharishi International University, Fairfield, Iowa

Key Courses: *Modern Web Application, Web Application Programming, Software Engineering, Machine Learning*

### **Bachelor in Computer Application**

College Of Information Technology and Engineering, Kathmandu, Nepal