

# HOSSEIN MORADI

## Senior Fullstack Software Engineer

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## HIGHLIGHTS

I am a highly accomplished and innovative Software Engineer with **8 years of experience**, known for delivering complex projects that drive business growth. My **strong Mathematical background** and advanced proficiency in **JavaScript, Typescript, ReactJS**, and **NodeJS**, coupled with experience in **Python, Ruby, Ruby On Rails, PostgreSQL, Amazon Web Services (AWS)**, and **Stripe payment system**, enable me to collaborate seamlessly with diverse teams, demonstrate exceptional problem-solving skills, and deliver high-quality products within deadlines. My career achievements include:

- Working on creating a platform for **collecting and remitting taxes** on behalf of creators at Thinkific.
- Improving the **performance** of many frontend applications throughout my career including reducing the **page load time** of the checkout page at Thinkific by more than 60%.
- Delivering several projects using **Stripe payment system**, including integration of **Apple/Google Pay** payment methods at Thinkific, and **integrating the whole billing flow with Stripe** at BrowseAI.
- Developing **the first-ever** browser-based Turn-By-Turn Navigation engine using **MapboxGL** at Balad Maps & Navigation which required a **deep understanding** of **algorithms** and **data structures**.
- Working on a **large E-Commerce platform** at Bamilo to **scale the system** and handle Black Friday's **high traffic**.
- **Mentoring several Engineers** throughout my career to **teach** them modern frontend development and **help them learn and grow**.

## LATEST PROFESSIONAL EXPERIENCE

### Senior Fullstack Software Engineer

August 2021 – Present 📅

#### Thinkific

Vancouver, BC, Canada 📍

I had the opportunity to join the renowned creator educator platform and ecosystem, Thinkific, a company with about **500 employees**, including a team of **200+ engineers**. Starting as a Senior Frontend Engineer, I quickly took on the challenge of learning **Ruby** and was **promoted** to Senior Fullstack Engineer to have a more significant impact on the product.

- Worked with a team of 10 in developing a comprehensive system for **collecting and remitting taxes** on behalf of our creators, enabling Thinkific to operate seamlessly as a marketplace platform.
- Collaborated with a **scrum team** of engineers, team leader, UX designer, and product manager on the checkout services in the **payments team**. I participated in **peer code reviews** and **agile team sessions** to ensure project success.
- Achieved a remarkable **60% reduction** in the checkout **page load time** by refactoring and enhancing it, resulting in under 1.5 seconds page load time from the previous 3+ seconds.
- Led the integration of **Apple/Google Pay payment methods**, enabling seamless and secure transactions for users.
- Led the payment part of an initiative for selling new product types, requiring constant **communication** with other engineering teams **across the company** to ensure smooth execution.



## EDUCATION

### 🎓 Ph.D. drop-out in Applied Mathematics

Sharif University of Technology  
2013 – 2016

### 🎓 Master of Science in Applied Mathematics

Sharif University of Technology  
2011 – 2013

### 🎓 Bachelor Science in Applied Mathematics

Kharazmi University  
2007 – 2011

## TOP SKILLS

### Frontend

Javascript • Typescript • React • NextJs • GatsbyJs • HTML • CSS • SASS • CSS in JS • CSS Modules • Atomic CSS • Service Workers • Progressive Web App (PWA)

### Backend

NodeJs • ExpressJs • Redis • MongoDB • PostgreSQL • Rest API • GraphQL

### Tool

Docker • CI/CD • NGINX • Webpack • Babel • NPM • Yarn • Jest • Cypress • Git

### Software

Amazon Web Services (AWS) • Stripe • OpenAI

### Other

Scrum • Agile • Systems Design • Algorithms • TDD • Unit tests • Integration tests

## FORMER PROFESSIONAL EXPERIENCE

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### Senior Fullstack Software Engineer

January 2021 – July 2021 📅

#### BrowseAI

Vancouver, BC, Canada 📍

I joined BrowseAI, an **early-stage startup** that aims to make **web scraping** and **monitoring** accessible to everyone with **no code**. As a Fullstack Software Engineer, I worked on various aspects of the product.

- Integrated the **billing system** with **Stripe** to handle **checkout**, **subscription renewals**, and **cancellations**, making it possible for users to manage their own subscriptions.
  - Improved the **performance** of the **browser extension** significantly by replacing an exponential **algorithm** with a linear one.
  - Participated in **peer code reviews** and **scrum sessions** with the team to ensure high-quality code and collaboration.
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### Senior Frontend Software Engineer

June 2019 – January 2021 📅

#### Balad Maps & Navigation

Tehran, Iran 📍

Balad Maps & Navigation is a new service in Hezardastan Group, which holds two of the most popular services in Iran named CafeBazaar and Divar with more than **45 million active users** and **1000 employees**.

- Initiated the main website using **NextJs**, a React-based **server-side rendering (SSR)** framework.
  - **Mentored** junior developers to help them learn and grow.
  - Participated in **peer code reviews** and **scrum sessions** in the team.
  - Wrote **the first-ever browser-based Turn-By-Turn Navigation engine** in a hackathon week, which required a **deep understanding** of **algorithms** and **data structures**.
  - Made declarative React components and hooks for **MaoboxGL**'s imperative API to create custom map visualizations.
  - Improved server response time by **caching** Server-Side Rendered (SSRed) pages using **Redis**, a popular in-memory data store.
  - Utilized **Docker** to containerize the application and configured Gitlab's **CI/CD pipeline** to enable automated deployment.
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### Frontend Team Leader

November 2017 – March 2019 📅

#### Bamilo

Tehran, Iran 📍

I joined Bamilo, an E-Commerce marketplace with over **200 employees** and **50+ Engineers**, as a Senior Frontend Engineer with the goal of **leading a new project** using **modern frontend technologies**. In collaboration with product managers, designers, and multiple engineering teams, I initiated the development of Bamilo **PWA**, utilizing **React**, **Redux**, **Redux-Saga**, and **CSS Modules** combined with **Atomic CSS**. The project was heavily focused on performance, and the new pages I delivered **performed significantly better** compared to the old server-side project written in PHP and jQuery.

- Led and built a **super-high-performance PWA** with less than 7kb of CSS for the entire app, 120kb of Javascript for each page and a **page load time of about 0.5 seconds**.
- Worked in a team of 5 in **designing and scaling the backend system** to handle the **high traffic of the Black Friday campaign**, resulting in a smooth and successful shopping experience for **millions of customers** at Black Friday night.
- Utilized **Service Workers** to cache assets on client side, handle **offline mode**, and sync data between browser tabs, etc.
- **Mentored and taught** React, Redux, and modern frontend development tools to **several junior frontend developers** in the company, who joined the frontend team after nine months.
- **Interviewed and hired** new frontend developers and ultimately got **promoted to Frontend Team Leader** after eight months with **five frontend engineers** in the team.

## FORMER PROFESSIONAL EXPERIENCE

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### Senior Frontend Software Engineer

February 2017 – November 2017 📅

#### Farakav

Tehran, Iran 📍

At Farakav, a media company that runs **the most popular web-based media in** the Persian-speaking world, I played a key role in ensuring that our web services were of the highest quality. With a team of over **20 engineers**, we worked on a wide range of projects and initiatives.

- Built a **NodeJs CLI package** using **Browserstack**, **NightWatchJs**, and **Selenium** that automated **end-to-end tests** on our supported browsers and devices, created daily reports, and sent them directly to our emails. Additionally, the package could run **screenshot tests** and **capture browser consoles for errors**, helping us to identify and address issues more quickly and effectively.
  - **Automated build process** using **Grunt** in a couple of our projects, which made our **release processes** easier and more efficient.
  - Worked on a few other projects using **Angular v1.x**, **JQuery**, and **Bootstrap**, creating highly-responsive and dynamic user interfaces.
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### Frontend Software Engineer

January 2016 – February 2017 📅

#### SnappTrip

Tehran, Iran 📍

As a developer at Snapptrip, a full-service travel booking website, I worked alongside a team of **15 engineers**, **50+ customer support professionals**, and over **100 total employees**.

- Developed **Single Page Apps** using a variety of technologies, including **Angular v1.x**, **Angular Material**, **Bootstrap**, **Gulp**, and **Webpack**.
  - Worked on the Admin Panel web app, which was a **real-time SPA** using **Web Socket** designed to enable SnappTrip's customer support team to handle new bookings and address customer issues quickly and efficiently.
  - Expanded my skillset by learning **Python**, **PostgreSQL**, and **Selenium**, allowing me to make meaningful contributions to our **backend** projects.
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### Frontend Software Engineer

July 2015 – January 2016 📅

#### MosavarSazan

Tehran, Iran 📍

I started my journey as a Frontend Developer at MSP, a small but dynamic company specializing in **financial projects**. Despite being new to the field, I quickly became proficient in **HTML**, **CSS**, and **Javascript**, which allowed me to contribute to several projects.

- Demonstrated proficiency in **Angular v1.x** and **Angular Material**, leveraging these frameworks to create sleek and responsive user interfaces.
- Utilized **charting libraries** such as **AMCharts** and **HighCharts** to create visually engaging **financial data visualizations**.
- Worked extensively with the **SharePoint REST API**, which was crucial to our work developing financial pages in **SharePoint**.
- Introduced my colleagues to **Git** and **helped them** become proficient in its use, leading to more streamlined and efficient project management.
- **Shared my knowledge** of Angular with colleagues, leading to a more collaborative and supportive team environment.