Mahdi **Hoseini**

SENIOR FRONT END ENGINEER

Tehran, Iran

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Summary

Senior Front-End Engineer with **5+ years** of experience building high-performance web applications using **JavaScript/TypeScript (React.js, Next.js)**. Skilled in crafting clean, efficient code and collaborating with cross-functional teams to deliver user-focused solutions while staying current with industry trends.

Work Experience

Shop-Ware
San Francisco, California, US

SENIOR FRONT END ENGINEER — *Jun. 2022 - May. 2024*

- Modernized front-end by migrating from Backbone to React, using webpack and feature flags, cutting initial load time by 20%.
- Revamped test suite by fixing flaky tests and restructuring E2E, integration, and unit tests, cutting CI/CD execution time by 25%.
- Enhanced the repair order page with code splitting and lazy loading, reducing load time by 40% for shop managers.
- Accelerated UI development by 25% by creating a reusable component library in Storybook, standardizing design patterns, and reducing redundant coding.
- Performed usability tests with shop users, shared feedback, increased dashboard satisfaction by 25%.
- Deployed a centralized monitoring environment (Grafana, InfluxDB, CollectD) which gathers system metrics as well as docker runtime metrics.

Danggeun Pay Inc. (KarrotPay)
Seoul, S.Korea

FOUNDING MEMBER & SITE RELIABILITY ENGINEER & INFRASTRUCTURE TEAM LEAD — *Mar. 2021 - Jun. 2023*

- Everything that matters.
- Designed and provisioned the entire infrastructure on the AWS cloud to meet security compliance and acquire a business license for financial services in Korea.
- Continuously improved the infrastructure architecture since launching the service. (currently 3.6 million users)
- Established a standardized base for declarative management of infrastructures and service deployments, enabling operational efficiency and consistency. Over 90% of AWS resources were all managed through standardized terraform modules. All add-ons and service workloads on the Kubernetes cluster were managed on a GitOps basis with Kustomize and ArgoCD.
- Saved over 30% of the overall AWS costs by establishing a quarterly purchasing strategiy for RI (Reserved Instance) and SP (Savings Plan) and by introducing Graviton instances.
- Established a core architecture for regulating of outbound DNS traffic in multi-account and multi-VPC environments utilizing AWS Route53 DNS Firewall and FMS. This significantly increased the level of security confidence in the financial sector's segregated environment.
- Introduced Okta employee identity solution in the company, establishing security policies and configuring SSO integration with over 20 enterprise systems including AWS, GitHub, Slack, Google Workspace. Set up a Hub and Spoke architecture, enabling a collaborative account structure with the parent company, Daangn Market.

Coffee
Perth, Western Australia, Australia

FRONT END ENGINEER — *Sep. 2021 - May. 2022*

- Developed B2B SaaS features using React, Next.js, and WebRTC, including real-time online meeting tools, boosting productivity by 15%.
- Refined front-end architecture by modularizing components and optimizing data handling with React-Query, speeding up page loads by 50% and cutting development time by 25%.
- Reduced bugs by 30% with Jest unit/integration tests, Cypress E2E testing, and Sentry error tracking, cutting resolution time by 10%.
- Spearheaded communication across cross-functional teams, streamlining navigation and cutting client workflow delays by 20%.

Satek
Hamedan, Iran

FRONT END ENGINEER — *Jun. 2019 - Sep. 2021*

- Engineered B2B desktop applications using React, Redux, and Electron.js, streamlining client workflows for 5+ enterprise customers.
- Redesigned application architecture with modular components and reusable patterns, speeding development by 30% and cutting maintenance time by 25%.
- Mentored three junior developers through training, code reviews, and structured learning, boosting their delivery speed by 40%.

Honors & Awards

INTERNATIONAL AWARDS

2021	**2nd Place**, AWS ASEAN AI/ML GameDay	*Online*
2020	**Finalist**, DEFCON 28th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2018	**Finalist**, DEFCON 26th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2017	**Finalist**, DEFCON 25th CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2014	**Finalist**, DEFCON 22nd CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2013	**Finalist**, DEFCON 21st CTF Hacking Competition World Final	*Las Vegas, U.S.A*
2011	**Finalist**, DEFCON 19th CTF Hacking Competition World Final	*Las Vegas, U.S.A*

DOMESTIC AWARDS

2021	**2nd Place**, AWS Korea GameDay	*Seoul, S.Korea*
2015	**3rd Place**, WITHCON Hacking Competition Final	*Seoul, S.Korea*
2017	**Silver Prize**, KISA HDCON Hacking Competition Final	*Seoul, S.Korea*
2013	**Silver Prize**, KISA HDCON Hacking Competition Final	*Seoul, S.Korea*

COMMUNITY

2022 -	**AWS Community Builder (Container)**, Amazon Web Services (AWS)
2022 -	**HashiCorp Ambassador**, HashiCorp
2018 -	**Organizer of HashiCorp Korea User Group**, HashiCorp

Certificates

2023	**AWS Certified Advanced Networking - Specialty**, Amazon Web Services (AWS)
2022	**AWS Certified Security - Specialty**, Amazon Web Services (AWS)
2022	**AWS Certified Solutions Architect – Professional**, Amazon Web Services (AWS)
2021	**AWS Certified SysOps Administrator – Associate**, Amazon Web Services (AWS)
2020	**Certified Kubernetes Application Developer (CKAD)**, The Linux Foundation
2023	**HashiCorp Certified: Consul Associate (002)**, HashiCorp
2023	**HashiCorp Certified: Terraform Associate (003)**, HashiCorp

Education

POSTECH(Pohang University of Science and Technology) *Pohang, S.Korea*
B.S. IN COMPUTER SCIENCE AND ENGINEERING *Mar. 2010 - Aug. 2017*
- Got a Chun Shin-Il Scholarship which is given to promising students in CSE Dept.