Hessamoddin A Shokravi

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EXPERIENCE

Order (Startup)   *Berlin, Germany (Remote)*
Senior Software Engineer   *Oct 2020 – Jun 2023*
- Implemented the PWA, featuring automatic synchronization, responsive UI, offline first, Service Worker
- Integrated Sentry for error tracking and performance monitoring + Google & Mixpanel analytics
- Implemented backend, including REST & WebSocket APIs, MongoDB, OAuth2, file upload, email server, etc.
- Developed a customized full flagged rich text editor (Notion-like editor style) based on Draft.js
- Designed and developed a powerful Extension (plugin) Engine + Developer Console for the community
- Developed Smart Command Line aided by AI enabling users to execute human-language commands
- Developed a Chrome extension to add a side-bar to the browsing tabs, with popup configuration window, etc.
- Implemented and co-designed the product's landing website featuring animations and 3D effects
- Developed tens of extensions for the platform, including 3rd-party integrations like exporting to Google Docs
- Helped integrating the Web app with Electron to enable the desktop version featuring a quick launcher window
- Documented public API end-points for both server- and client-side APIs (Extension Engine API)

Rechat (Real Estate Industry)   *Dallas, Texas, US (Remote)*
Senior Front End Engineer   *Jan 2020 – Sep 2020*
- Implemented the Inbox feature of the app, synchronized with the connected Gmail and Outlook accounts
- Maintained the rich text email composer based on Draft.js and added inline image support to it

Mahan Air (Aviation Industry)   *Tehran, Iran*
Tech Lead & Senior Software Engineer (Register Plan Assist Project)   *Aug 2018 – Dec 2019*
- Managed a team of 4 developers including three juniors who were new to React and TypeScript, I educated and mentored them to get their hands on the code and helped them improve via pair programming and code reviews
- Directed two months of user study to let us design several progressive versions of UX/UI prototyping with Axure
- Designed and developed the React/TypeScript project, and the fully automated CI/CD pipeline with TFS
- Ensured continuous weekly delivery, collected direct users' feedback on regular weekly meetings, we had the happiest users among all 100+ defined IT projects in the whole organization

Full Stack Engineer (Flights App Project)   *Oct 2016 – Apr 2019*
- Designed and implemented a linear time flight planning algorithm with a SQL friendly data structure
- Developed new requirements by implementing their SQL database, C# backend, and AngularJS frontend

Front End Engineer (Electronic Flight Bag Project)   *Jan 2016 – Sep 2016*
- Refactored the existing UI code by cleaning and modularizing components to improve maintainability
- Provided direct support to the end users (pilots) and implemented new features and fixed reported bugs

Miras Technologies (Startup)   *Tehran, Iran*
System Engineer   *Aug 2014 – Jan 2015*
- Designed & developed the page system in Scala to let the product store 1B to 1PB files using 64KB pages
- Implemented version control support to the file storage and upgraded the product to be a layered file system
- Adopted Lempel-Ziv algorithm with CUDA in C to achieve higher (de)compression rates utilizing graphic cards

SKILLS

Skills: JavaScript, TypeScript, React, Redux, Node.js, HTML5, CSS3, PWA, Jest
Languages: English, Persian

EDUCATION

Sharif University of Technology *Tehran, Iran*
MS in Computer Software Engineering *2016*
BS in Electrical Engineering, Electronics and Communications *2009*

HONORS

Ranked 13th among 30,000$^+$ volunteers at university entrance exam for Master's degree *Oct 2014*
Ranked 18th in the Student Olympiad in Computer Engineering in Iran *Sep 2009*
Ranked 71st among 340,000$^+$ volunteers at university entrance exam for Bachelor's degree *Aug 2004*