EHSAN SAMAVATI

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PROFESSIONAL EXPERIENCE

Algoasaurujs, Vienna, Austria   May 2022 – Present
Senior Front-end Developer
- Led the development of cutting-edge WebAssembly libraries, making integration 50% easier and 2x times algorithm execution speed. Explore source codes at github.com/algoasaurujs/wasm-loader and github.com/algoasaurujs/rollup-plugin-emscripten.
  - developed a cutting-edge TypeScript data structure library that includes 5 core data structures, over 100 methods, more than 20 algorithms, and improved application performance.
- Discover the library's documentation at https://algoasaurujs.github.io/tsds, featuring an engaging 3D animation created with ThreeJS.

QPage, England, United Kingdom   Dec 2020 – Apr 2022
Lead Front-end Developer
- As the Front-End Team-Lead at QPage, Led a team of 5 developers in a fast-paced startup environment, achieving exceptional results amid rapid changes.
  - Daily Feature Development: Led daily feature development, delivering over 300 features that met the ever-evolving needs of users and stakeholders, driving the product's evolution.
  - Cutting-Edge Technologies: Harnessed advanced technologies, including socket connections and the latest browser APIs, to create a real-time online meeting app on Agora, facilitating thousands of virtual meetings.
  - Innovative Interface: Engineered a comprehensive email application interface, resulting in a 40% boost in user engagement and efficient email communication through seamless integration with Postmark.
  - Design System Leadership: Initiated and implemented a design system library, increasing development efficiency by 50% and ensuring a unified design language, enhancing user experiences.
  - Effective Team Management: Led a team of 5 developers, fostering collaboration and innovation, contributing to a 20% improvement in overall team productivity.
- Optimized Data Transmission: Engineered foundational service files, improving data transmission efficiency with the back-end by 25%, optimizing data flow.
- Performance Enhancement: Led performance optimization efforts, enhanced website performance by 15%, elevating user experiences.

Nizek, Kuwait   Jan 2018 – Dec 2020
Front-end web developer (Jul 2018 – Dec 2020)
- Spearheaded the development of a fully responsive e-commerce back-office admin dashboard, a cornerstone of the Dabdoob platform, reducing page load times by 50%.
  - Employed advanced technologies, including React.js, Redux.js, and TypeScript, to craft a highly responsive and fluid user interface that maximized user engagement by 35%.
  - Leveraged the Nest.js framework to construct a robust and efficient backend, facilitating seamless communication between the dashboard and external systems and decreasing API error rates by 40%.
  - Demonstrated strong teamwork by supporting team members and devising innovative solutions to enhance the project's flexibility.
- Pioneered the implementation of Storybook to centralize and manage reusable components, resulting in a remarkable 2x acceleration in development speed.
- Spearheaded unit testing and end-to-end testing with Jest and Cypress, swiftly identifying and resolving over 50 issues stemming from constantly API changes.

Intern Full-stack web developer (Jan 2018 – Jun 2018)

- During the Nizek internship, Enhanced front-end and back-end development skills while collaborating with senior developers across the entire project lifecycle, completing 5 key projects from conception to launch.
  - Expanded skills across the full technology stack, from front-end to back-end. managing with technologies such as React.js, TypeScript, Node.js, Nest.js, SCSS, HTML5, and PostgreSQL. Developed 2 core dashboard features using React.js.
  - Co-ordinated to cross-functional collaboration, conducted testing for over 200 user flows, and maintained comprehensive documentation, all while gaining valuable insights into effective teamwork and project management.
- Boosted proficiency in key technologies including Nest.js (40% increase), Linux and PostgreSQL through intensive hands-on development.

EDUCATION

Istanbul Esenyurt Universitesi, Istanbul, Turkey   Sep 2021
Master's of Science in Computer Science

Istanbul Esenyurt Universitesi, Istanbul, Turkey   Sep 2019
Bachelor's of Science in Computer Science

SKILLS

React.js	TypeScript	PrismaORM	Bootstrap
JavaScript	HTML	TypeORM	Webassembly
Next.js	Nest.js	PostgreSQL	MaterialUI
Node.js	CSS	MySQL	RestAPI
GitHub	SASS	Git	
GitLab	Styled-components	GraphQL	
Scrum and Agile methodologies	Redux.js	Jest	
	Front-end development	Cypress	