

IMED ADEL

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WORK EXPERIENCE

InstaDeep

Software Engineer

October 2021 – Present

React, TypeScript, Three.js, Stitches

- Reduced product's loading time by 95% through building and integrating a high-performance 3D WebGL visualization library using Three.js, React Three Fiber, and custom shaders, while collaborating with multiple teams to understand and achieve product requirements.
- Collaborated with both, the design and the front-end engineering team, to build a company-wide design system for React.js.

Kompu

Founder

Jan 2020 – Present

React, TypeScript, Next.js, Go, Postgres, Websockets, AWS. (prev. Rust, Firebase, Nomad)

- Rebuilt and launched a web extension using Chrome's new API for reducing tabs memory and CPU usage and for saving and syncing sessions across devices, with almost 100% less memory usage than previous competitor.
- Designed, built, and launched a secure platform to enable serverless deployments directly from front-end applications.
- Researched, designed, and built a competitor to Notion and Airtable using based on Postgres and React with 90% better performance, as my college senior year project and passed with highest honors.
- Built and launched the fastest visual web application builder with real-time collaboration, React code export, on-demand image optimization, automatic SSL certificates, and automatic deployments using Nomad, GitHub Actions, and AWS CodeBuild. I landed in Y Combinator's top 10%.

Sastec Group

Software Developer, Intern

Jun 2019 – Sep 2019

React, Redux, Vue.js, Node.js, Gatsby, SQL, GraphQL, PHP, JAMStack, Git

- Decreased clients' web applications loading time by 90% by statically generating web pages using Gatsby.js.
- Increased web applications' accessibility scores by 200% by enforcing strict accessibility checks through ESLint.
- Ported clients' web applications from PHP5 and Vue.js to Gatsby.js and React by rebuilding the back-end using Node.js and Gatsby.js Node API.
- Reduced unused CSS size in clients' web applications by 50% by enabling PurgeCSS during build time.
- Enforced code quality by enabling ESLint, Prettier, and React Prop Types.
- Ported clients' encryption functions from PHP5 to JavaScript and deployed them for easy generation of encrypted keys.
- Built a digital signage generator using JAMStack.
- Reduced overall costs of hosting, deployment, and maintenance by rebuilding client's web apps using Gatsby.js.

EDUCATION

Sousse University

Bachelor of Science in Computer Science

Sep 2018 – Jun 2021

Sbikha High School

Mathematics Major

Sep 2014 – Jun 2018

TECHNICAL COMPETENCIES

Languages (main) JavaScript/TypeScript, Go, HTML5, CSS3, SQL

Languages (familiar) Rust, Python, Java, C, C++

Technologies React, Solid, Next.js, Three.js, Gatsby.js, Websockets, Vue, Node.js, Express.js, Fastify, Actix, Gin, Git, SCSS, Web Extensions, Webpack, Rollup, Postgres, DynamoDB, Firebase, Redis, Nomad, Docker, AWS

PROJECTS

Flaub

TypeScript, Vite, React

October 2021

- Wrote an EPUB parser for the browser
- Built a reader for EPUB files using React

Emoji Maker

JavaScript, React, ReactDOM, SVG

Nov 2019

- Built a tool for generating custom emojis using React components, ReactDOM, and SVG.

VOLUNTEER EXPERIENCE

Google Club ESSTHS

Vice President

Nov 2018 – Oct 2019

Wikimedia Foundation

WikiLingua Maghreb Co-Founder, Contributing Editor

Jul 2014 - Present

SKILLS

Languages: Arabic, French, English, German (*beginner*)