

MICHELLE SAAD

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SKILLS

CORE · **JavaScript/ESNext** (6 yrs) · **React** (3 yrs)
Node.js · TypeScript · Redux · Mobx · SQL · MongoDB
functional programming · API design · code review

ETC · git · GitHub · npm · Linux shell · jscodeshift
CI · Storybook · Vue · Vuex · Feathers · Webpack · Jest
HTML/CSS · Ruby · Python · Java · ElasticSearch

EXPERIENCE

[SMARTPROCURE](#) · Senior Developer · 2019-2020 Node.js, React, Mobx, Feathers, MongoDB, ElasticSearch

- > 100% remote **full-stack** developer at a **search analytics** startup with a focus on **functional programming** & **modern JS**
- > Regular responsibilities included **end-to-end feature development**, product **prototyping/R&D**, **code reviews**, **mentorship**, **project leadership & planning**, **issue triage**, **production hotfixes**, and **database migrations**
- > **Main author & code owner** of [grey-vest](#) and [contexture-react](#), SmartProcure's open-source React component libraries
- > **Core contributor** on [futil](#), a functional utility library with ~400 GitHub stars and official endorsement from Lodash
- > **Core contributor** on several libraries in the [contexture](#) ecosystem, the open-source, **backend-agnostic querying & analytics framework** that powers SmartProcure's main product
- > **Led a major project** to create & implement a **design system** for SmartProcure, including a **theme specification** conforming to System UI, the **GreyVest** component library, and **codemods** for migrating consuming applications
- > Designed, implemented, and documented a **theming API** for [contexture-react](#) built around **React hooks** and **HOCs**
- > Conducted **technical interviews**, participated in **hiring decisions**, and took an active role in improving the company's interview process

OFFICE DEPOT · Software Engineer · 2017-2019

JavaScript, React, Java, DB2

- > Played a critical role in modernizing the in-house warehouse management application used by Office Depot's entire supply chain, migrating the backend to **Java** and the frontend to **React**, and mitigating over a **decade of tech debt**
- > Spearheaded the use of **code reviews**, **test automation**, and **modern version control practices** in my team's workflow
- > Explored **machine learning solutions** for inventory & supply chain as part of Office Depot's ML R&D group

ADT · Application Development Intern · 2016

JavaScript, Java, Angular, SOAP

- > Developed **comprehensive API test suites** as well as new **end-to-end features** for a mature production application

AVOCENT · Software Development Intern · 2015

JavaScript, Java, PostgreSQL

- > Wrote **feature code** and **automated tests** for the **data import batching** and **thermal visualization** components of Avocent's flagship product, a datacenter infrastructure management suite

EDUCATION

BACHELOR OF SCIENCE in COMPUTER SCIENCE · Florida Atlantic University · 2017

PROJECTS

[MENAGERIE](#)

Godot Engine (scripting language based on Python), JSON, JSON Schema

- > Simulation/management game about raising **intelligent virtual agents** in a customizable environment
- > Fully **data-driven** content system supports **modular & extensible player-created content**, including a **custom syntax & parser** for JSON-encoded predicates with token resolution, mapping & filtering functions, and **JSON schema validation**

[CARGO SHORTS](#)

TypeScript, React, Redux, WebExtension API

- > **Cross-browser** web extension built with an emphasis on **modern tools and best practices**, including **full type safety**, **pure functional reducers** and components, **React hooks**, **async/await**, **styled-components**, and **snapshot tests**

[★'S MHGEN TALISMAN EDITOR](#)

JavaScript ES7, Vue, Vuex

- > **Single-page web app** for loading & editing game data, **published** and supported for an **active community**
- > Features robust, battle-tested **legality checking** of generated objects using **Vue.js computed properties**