

# 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](#) · Developer · 2019-2020

Node, React, Mobx, Feathers, MongoDB, ElasticSearch

- > 100% remote full-stack developer at a **search analytics startup** with a focus on **functional programming & modern JS**
- > 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 over **300** GitHub stars and official recognition from **Lodash**
- > Core contributor on several libraries in the [contexture](#) ecosystem, the 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**
- > Regular responsibilities included end-to-end **feature development**, product **prototyping/R&D**, **code reviews**, **mentorship**, **project leadership & planning**, **issue triage**, **production hotfixes**, **database migrations**, and **documentation**
- > 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

- > Simulation/management game about raising **intelligent virtual agents** in a customizable environment
- > Fully **data-driven** content system supports modular, extensible **player-created content** with **JSON schema validation**

[CARGO SHORTS](#)

TypeScript, React, Redux, WebExtension API

- > **Cross-browser** web extension for saving tab info to customizable groups displayed on the New Tab page
- > Fully **type-safe** and built with an emphasis on **modern tools and best practices**, including **pure functional reducers** and components, **React hooks**, **async/await**, styled-components, and **snapshot tests** with Jest

[★'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**