

Javascript \* Typescript \* React \* React Native \* Vue \* Angular \* AngularJS \* Node.js \* AWS  
Management \* Python 2.7 & 3.6 \* Java \* C# \* Jest \* Karma \* Junit \* Pytest \* Cypress \*  
Playwright \* Rapid \* Git \* Vim \* RESTful API architecture \* MongoDB \* PostgreSQL \* SQL \*  
SSMS \* Restify \* Mongoose \* D3.js \* Lua \* HTML \* CSS \* MacOS \* Linux \* Jira

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## Professional Experience

### Software Engineer – Resmed

03/2022 – Present

- Work as a “Full Cycle Developer”, being responsible for taking a project from inception – production
  - Work on infrastructure design & implementation using AWS services and deployed with TerraForm for infrastructure as code
  - Work on deployment pipelines using Github workflows (previously a mix of: Jenkins, Bitbucket triggering AWS CodePipeline, and Bamboo, depending on the project)
  - Frontend development using React and MFE
  - Backend development (a mix of Java in micro services on EKS using K8s and Python in AWS Lambda)
  - Assist in story creation and dividing up work
- React development using micro frontends
  - Leveraging Nx for managing a mono repo
  - Using Module Federation config with webpack to manage remotes to create web components and generate shell
  - Using Typescript rather than JS
- AWS tools vary from serverless architecture to containers on EKS and to event driven architecture
  - Leverage EventBridge with SQS and Lambda
  - EKS to contain K8s
  - Moved our static SPA from S3 behind CloudFront to EKS with NGINX Ingress Controller

### Software Engineer (Senior Associate) – Allata

12/2018 – 03/2022

- Worked on teams across many client projects helping other teams as needed, such as:
  - Worked on a web app sales effort tool with a savings calculator for a health care services company
  - Worked on accounting software to load, populate, and generate tax form PDF's for a global accounting firm
  - Assisted team building applications for a large HOA management company
- Used cloud services
  - Azure services like Data Factory, Cosmos DB, SQL, Redis, Pipelines
  - AWS services like CloudWatch, Lambda, S3, API gateway.
- Multiple tech stacks including Java using Spring Boot for the API, Angular 13 with Material elements, SQL, Cosmos with mongo db api to working in C# for the backend and Angular 8 with some legacy MVC pages for frontend

### Software Engineer – VersaBuilt

08/2017 – 12/2018

- Built tools for customer interface to control 6 axis robot arm using AngularJS and transitioned to Vue.js, created custom controls in SVG, HTML, and CSS
- Worked on Rapid code to alter robot movements for a 6-axis robot arm through 3D space
- Wrote algorithms to handle complex quaternion math for robot movements
- Built REST API's to communicate with robot and CNC machines using Node.js

### Software Engineer – Emerson (acquired PakSense in August 2016)

08/2015 – 08/2017

- Lead and Primary developer on backend REST system (API development) using Node.js
- Lead on a customer interface using AngularJS
- Migrated database from SQL to MongoDB
- Assisted with Cloud IoT infrastructure architecting
- Wrote ETL (extract, transform, load) scripts using both Python and Javascript

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## Education/Courses

05/2018 B.S. Game Design – Full Sail University Online – Completed 88 Credits

### Course Highlights –

JavaScript programming to build games using the Perlsenspiel engine. Learned about usability/ux design in both the real and digital world. Worked with a team to design and build a game from start to beta. Learned level design with Unity.

07/2016 MongoDB Developer – Completed both MongoDB for Node.js Developers and MongoDB for python Developers through MongoDB University online.