



Daniel E. Madrid

Software Engineer

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Tech

Frontend	Angular2+, AngularJS, RxJS
Backend	Maven, Springboot
Languages	Javascript, Typescript, Python, Golang, Java
Databases	Neo4J, SQL
Tools	Flyway Scripts

Experience

Optum Technology (UnitedHealth Group)	Platform Software Engineer Developed enterprise level infrastructure July 2020 – Present
	Associate Software Engineer Developed web-based applications and suite of APIs June 2019 – July 2020 <ul style="list-style-type: none">Implemented JWT user authentication with session storage and route guards regulated by user roles and privilegesIntroduced modularity to application suiteImproved reusability of code through UI best practicesImplemented RESTful APIs, adhering to HL7's FHIR specificationsManaged deployments to environments via Jenkins pipeline Skills: Angular, Typescript, RxJS, Jasmine, Jest, Java, Maven, SpringBoot, Hystrix
	Software Engineering Intern Developed full-stack platform, focused on delivering IoT data to practitioners Summer 2018 <ul style="list-style-type: none">Coded client facing IoT application that integrated with various IoT devicesCoded provider facing web-based application in ReactJSDeveloped APIs that communicated information between applications
BuildInMotion	Software Engineering Intern Developed Angular2 application as part of platform driving real-time interactions between clients Summer 2016, Summer 2017

Projects

CyFHIR	A Neo4j plugin that delivers meaningful graph database representations of models described by FHIR, a healthcare interoperability standard. CyFHIR was published to Optum's public open source community in April 2020 Skills: Java, Maven, ExpressJS, NodeJS, Typescript, Neo4j
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Education

Cornell University	B.S. Operations Research and Information Engineering Minors in Business and Information Science May 2019
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