



# 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

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### Experience

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

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### Side 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 <b>Skills: Java, Maven, ExpressJS, NodeJS, Typescript, Neo4j</b>
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### Education

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