

# Jacob Doiron

[LinkedIn](#) | Durham, NC

## Experience

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**Senior Software Engineer**, DZone – Durham, NC

March 2019 – Present

- Designed new content taxonomy based on a hierarchy of tags, sub-zones, and primary zones that could be controlled off-platform and directly influence placement of site content dynamically
- Implemented middleware to pre-rank the contents of zone list pages, resulting in 100% fewer site outages as a result of heavy traffic to these pages overloading the RDS instance
- Developed a content bounty system to entice and reward users to write content for specific topics on the site, complete with bounty management and moderation capabilities
- Implemented redesigned user login and registration systems to convert anonymous users to members with support for progressive profiling and gated assets

**Full Stack Developer**, Carolina Hurricanes – Raleigh, NC

Jan 2017 – March 2019

- Migrated in-person auctions to an online presence by developing a custom auction platform with features such as bid history, order history, automatic payment processing, and real-time email and SMS notifications
- Designed in-house ordering suite system with dynamic food and beverage menus, menu templating system, and admin info portal for user registration, customer orders, and business analytics
- Developed multiple form-based services with custom invoicing to replace physical forms for promotional requests such as Stormy appearances, Storm Squad, Slap Shot, First Goal upgrades, and Hurricanes Kids Club

**Web/GIS Software Developer**, Syngenta – Durham, NC

June 2016 – January 2017

- Developed an application to automatically render a grid overlay on satellite imagery with associated crop metadata on geospatial plots with provided CSV file
- Implemented a tool to aggregate publicly available MODIS data, weather information, and crop metadata into summarization metrics via ZIP file

## Skills

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**Languages:** Java, Spring, Hibernate, Freemarker, Thymeleaf, JavaScript, MySQL, PostgreSQL, Microsoft SQL

**Technologies:** Gradle, Maven, IntelliJ, Visual Studio Code, Git, AWS

## Education

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**St. Mary's College of Maryland** – Bachelor of Computer Science

May 2016