

Nathaniel Rupsis

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Skills

- Java
 - Scala
 - C++
 - NodeJs
 - Python
 - Javascript
 - Angular
 - JQuery
 - HTML/CSS
 - MySQL
 - MongoDB
 - SQL
 - .Net Core
 - Entity Framework
 - C#
 - PHP
 - Blender
 - Photoshop
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Employment

Software Engineer, Angie's List, Indianapolis, IN, **June 2018 to present**

Full stack software engineer, (primarily backend) working on the service provider side of the business. I'm tasked with developing backend services and continually evolving the service provider's (SP) web experience.

My responsibilities include:

- Implementing new dashboard designs for advertising & non-advertising SP's.
- Updating category association tool; allowing for SP's to opt-out of search results.
- Complete overhaul of the service area selection tool. Incorporated Map box to create interactive map selection tool.
- Data migration for legacy service area tables into bounded context. Resulted in record set reduction of over 45%.

Software Engineer, DDM Webservices Inc., West Chicago, IL, **November 2014 to present**

Full stack web developer, currently on an as-needed basis, working directly with the primary client, DDM Garage Doors, interfacing with the sales team and warehouse coordinator to help produce software solutions that aid daily work flow.

- Fully redesigned and developed a new home page that decreased bounce rate by 5%.
- Rewrote Wayne Dalton Spring calculator, which increased sales by over 50%.
- Used digital forensics to gather and build multiple case files against infringing companies, coordinating with hired counsel (through DDM) and resulting in over \$40,000 in award settlements.
- Developed in-house web crawler / scraper to aid in legal cases and information gathering.
- Created a mobile Android app for technical sales staff to use as a resource for contractors.
- Maintained and updated MySQL product databases.

Software Engineer Intern, PAN/PSI, Carmel Indiana, **May 2017 to August 2017**

Worked as a full stack web developer with 2 other interns to create a web application to view / modify load test information.

- Designed a multi-tiered web application using .Net, Entity Framework, and SQL.
- Designed and built the user interface using Angular and PrimeNg.
- Developed using a test-driven development with karma and fake it easy.

Projects

Kanplan – Front End Engineer

Technical Stack: AngularJs, NodeJs, MongoDB, Ionic, and AWS EC2.

Purpose: task based management system integrated with evaluation times, job compensation, and organization models.

- Designed and implemented front end in AngularJs utilizing Ionic Framework.

SupDog – Project Lead and Backend Engineer

Technical Stack: EmberJS, NodeJs, MongoDB, BluePrint, and AWS EC2.

Purpose: Collaborative effort with a senior design team from Herron Art school to create a social application to facilitate communication within the canine-loving community.

- Lead development team using Agile collaboration.
- Designed and implemented backend API / Database models.
- Deployed application to AWS EC2 cloud instance.
- Implemented unit tests with Mocha and Chai.

AccuCrime – Full Stack Engineer github.com/i-do-code

Technical Stack: Angular, Python, Flask, MongoDB, TensorFlow, and AWS EC2

Purpose: Predicts the amount of crime in Chicago on any given day and forecasts up to ten days' worth of crime statistics.

- Fully implemented frontend using Angular and PrimeNg.

RustBridge – Full Stack Engineer devpost.com/software/rustbridge-io-t0e6fm

Technical Stack: Rust, PostGreSQL, Diesel, and Rocket

Purpose: Rewrote Rustbridge Website using Rust, making the website overall more functional and as a contribution to the Rust community.

- Worked with Mozilla Rust developers to port the Rustbridge website from NodeJs to Rust.
- Designed Postgres database schema.

Education

University of Illinois at Urbana-Champaign

Expected Graduation: Fall 2021

Master of Computer Science (MCS) - **Software Engineering**

Purdue School of Science at Indianapolis

Graduated: May 2018

Bachelor of Science in Computer Science - **Software Engineering** Overall GPA: 3.6

College of Dupage (COD) Glen Ellyn, IL - **C++ Certificate** January 2014 – May 2016