



# MARTIN NICOLA

## SOFTWARE ENGINEER



[martinnicola.com](https://martinnicola.com)



[github.com/codewithmarty](https://github.com/codewithmarty)



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## TECHNICAL SKILLS

### Languages, Frameworks, and Libraries:

JavaScript, Python, Node.js, Express.js, Socket.IO, HTML5, CSS, jQuery, AJAX, Django, React.js, Vue.js, Angular, Java, C++, C#, SwiftUI

### Databases and DB Management Tools:

PostgreSQL, MySQL, MongoDB, Mongoose

### Cloud Computing

AWS: S3, EC2, DynamoDB, RDS, Lambda

### Methodologies:

Object Oriented Programming, MVC Pattern, Responsive Design, Test-Driven Development, Authentication, User Stories, ERDs, Wireframing, REST APIs

## EDUCATION

### Cloud Practitioner Certification

PRESENT

#### AWS

Deploying valuable products to the various services offered by the cloud including: EC2, S3, DynamoDB, RDS, Lambda. Learning how to utilize all of these services in a scalable environment to meet client needs.

### Software Engineering Immersive

2021

#### General Assembly

Full stack web development program focused on integrating complex back-end functionality, intuitive front-end user interfaces, and best-practices of OOP, MVC frameworks, team development, and test-driven deployment.

### Biomedical Physics (MSc)

2017-2018

#### Toronto Metropolitan University

Performed advanced data analysis and manipulation with C++ toolkits and Python based programs to analyze dosimetry around nonoscale of novel form of radioactive particle

Self-starting, independent, and versatile full-stack web developer. Passionate about learning new technologies and using them to improve real-world systems. Skilled at uncovering solutions to difficult problems and can complete projects with minimal direction. Life-long leader, mentor and educator.

## PROJECTS

### SpringBoardJuniors.io | [github](#)

A job board that allows employers to post jobs along with relevant technical assessments to better gauge applicants for the role.

Django  
PostgreSQL  
Angular  
Python

### friend.ly | [github](#)

A social media application like Tinder but for making friends!

Express/Node  
React  
MongoDB  
Socket.IO

### MMA API | [github](#)

A set of endpoints that allows any user to collect data on their favourite MMA fighters to build out their own applications.

Express/Node  
Python  
MongoDB

## PROFESSIONAL EXPERIENCE

### Full Stack Developer

05/2022 - present

#### Agency Undone

Backend development in node. Frontend development in Vue.js framework. Data cleansing, analysis, and centralization from multiple sources including MongoDB and JSON API, identification and display of relevant metrics for client analysis in an easily-digestible format.

### Associate Instructor

12/2021 - present

#### General Assembly

Instruct students engagingly, encouraging teamwork and promoting overall technical skill enhancement. Students are mentored while they build four fundamental projects including a capstone MERN stack application.