



MARTIN NICOLA

SOFTWARE ENGINEER



martinnicola.com



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, GraphQL

Cloud Computing

AWS: S3, EC2, DynamoDB, RDS, Lambda, Kubernetes, CloudFormation, API Gateway

Methodologies:

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

EDUCATION

Cloud Practitioner Certification 2023

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

PROFESSIONAL EXPERIENCE

Software Engineer

09/2021 - present

Argus Maritime Services

- Full Stack Development
 - Created a front end dynamic site compiled from Vue.js/Nuxt.js
 - Created a REST API to process and handle requests
 - Setup database to store previous encrypted critical data to the organization.
- AWS Cloud Migration
 - Deployed internal architecture to AWS microservices in a loosely coupled model serverless application model (AWS Lambda, DynamoDB, S3, API Gateway).
 - High level security established through AWS managed services with data encryption in transit and at rest.
- Data Analysis
 - Handled data acquisition and analysis for key clients in the logistics industry.

Full Stack Developer

05/2022 - 12/2022

Agency Undone | Part time contract

- 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 - 03/2023

General Assembly

- Designed and delivered lectures to students on topics including:
 - building full stack CRUD applications using multiple stacks
 - algorithms and data structures
 - code VCS and collaboration tools
- Provided one-on-one support to mentor students, help them understand the material and complete their assigned labs and projects

PROJECTS

I am constantly experimenting with new technologies and building new projects. Check out my portfolio at martinnicola.com for an up-to-date showcase of my latest work.