

Isaac Newton

Curriculum Vitae

Personal Informations

Name Isaac Newton Melo Machado
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Education

2014 - 2018 **Bachelor of Computer Engineering**, *Federal Univercity of Cear , UFC.*
2019 - 2021 **Master in Cloud Computing**, *Institute of Advanced Technologies, ISTECS.*

Professional Certification

2020 **Scrum Foundation Professional Certificate**, *CertiProf.*
2020 **DevOps Essentials Professional Certificate**, *CertiProf.*
2020 **AZ-900 - Azure Fundamentals.**
2020 **AZ-400 - Designing and Implementing Microsoft DevOps Solutions.**
2020 **AZ-204 - Microsoft Azure Developer Associate.**
2020 **Microsoft DevOps Engineer Expert.**
2020 **Professional Google Cloud Architect.**

Teaching

2016 Computational Programming discipline teacher - UFC
2017 - 2018 Databases and SQL discipline teacher - UFC

Research

Vision Computer
Serverless

Experiences

2021 - **Backend Chapter Lead - Senior Backend Engineer**, *TUI.*
Design, lead and code scalable microservices architecture.

Skills:

- o Node/Nest.js
- o Microservices
- o AWS, Docker, Postgress, Redis, RabbitMQ, Elastic Search, DynamoDB

- 2020 - 2021 **Software Engineer** , *Focus BC - Google Cloud Partner*.
 (1 year) Supporting GIS projects in several technologies with focus on DevOps and Back-end development.
- Skills:
- Node/Nest.js, Angular
 - GCP, Terraform, Kubernetes
 - DevOps
- 2020 **Full Stack Engineer** , *INOV INESC INOVAÇÃO©*.
 (6 months) Design and implementation of DevOps strategy and project architecture: database design, DevOps pipelines, front-end development and back-end architecture and coding.
- Projects:
- YARIS
- Skills:
- Node.js/Express, MongoDB, Angular 8/9, Socket.io, Redis
 - Docker and Swarm
 - Apache Pulsar, ELK, Python
 - Gitlab CI/CD
- 2018 - 2019 **Lead Software Developer** , *MagniFinance©*.
 (2 years) In addition to full-stack development, I was in charge of team management, sprint analysis and planning, DevOps, code quality assurance and API support.
- Projects:
- Invoicing API
 - Migration a WepApp from OutSystems to new architecture in .NET
 - Developing a new SaaS Service to company
- Skills:
- ASP.NET, SQL Server
 - Angular
 - HTML and CSS
 - Azure DevOps
- 2017-2018 **Full-stack Developer** , *12 minutos©*.
 (4 months) I was in charge of configuration of cloud environment, database administration, back-end design and front-end development.
- Projects:
- Social Networking for book lovers
- Skills:
- Wordpress
 - Python
 - Linux/LAMP, AWS
 - DevOps
- 2016 - 2017 **Mobile Developer** , *Codify ©*.
 (16 months) I was in charge of design, developing and publishing commercial applications in mobile platform.
- Projects:
- Food delivery applications
 - Medicine research database application
- Skills:
- Ionic 2 Framework
 - Native Script, React Native
 - HTML, SASS e TypeScript

2015 - 2017 **Research Collaborator in the Tutored Education Program - PET**, *Federal University of Ceará*.
(2 years)

Performed monitoring activities in programming, research and development of embedded systems and development of mobile and web in group projects.

Technologies used:

- Mobile - Android, iOS(Ionic)
- Python, Matlab, Arduino
- HTML and CSS
- C/C++, PHP/Wordpress
- JavaScript, Angular, JQuery, Node.js, Bootstrap
- MySQL, MongoDB

Skills

- | | |
|----------|---|
| Basic | JAVA/Android, Kotlin, JPA, ELK, C/C++, React Native, NativeScript, PHP, Python, \LaTeX , Bootstrap, WordPress, MATLAB |
| Advanced | Shell, TypeScript, Nest.Js/Node.js, c# .NET, Angular, Ionic Framework, HTML, CSS, SQL, SQL Server, MongoDB, PostgreSQL, Apache Pulsar/Kafka, RabbitMQ, DynamoDB, SQS, Docker, Swarm, Kubernetes, Terraform, Azure, GCP, AWS |
| Others | Microservices, DDD, Design Patterns, DevOps, Cloud Computing, Team Management, Serverless, Geolocations/Realtime/Event/Scalable Systems, Agile, Scrum, Linux, Git, SPA, MVC, SOLID, SOAP, REST |

Languages

- | | |
|------------|---------------------|
| Portuguese | Native |
| English | Professional |