

Isaac Newton

Curriculum Vitae

Personal Informations

Name Isaac Newton Melo Machado
Birthday 12/12/1995
Address Lisbon - Portugal
Cell Phone +351 936 492 810
Email engisaacnewton@gmail.com
Website engisaacnewton.com

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.**
2021 **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 - **Senior Backend Engineer**, *TUI.*
Design, lead and code scalable microservices architecture for a e-commerce platform.

Skills:

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

- 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*©.
- 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
- 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, Redis, 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**