

Software Engineer | Python – C# Developer

Brief Summary

Solid experience as a software developer, with Python as the main language;

Career also focused on Artificial Intelligence and Project Management;

In recent years I have specialized in DevOps and cloud computing, mainly with AWS;

Specific knowledge in C#, Reverse Engineering, Game Design, Unity, Database, Java, Design Patterns and Agile Methodologies.

Knowledge Synthesis

- ✓ Management, development and formation of teams.
- ✓ Software development and testing.
- ✓ Management of software projects.
- ✓ Artificial Intelligence in Python.
- ✓ Teaching programming languages.
- ✓ Game development with Unity 3D.
- ✓ Projection of a CI/CD pipeline.
- ✓ Mobile development with Java, Xamarin and Kotlin.
- ✓ Creation and management of Cloud Environments with Terraform and Serverless Framework (on AWS).
- ✓ Implementation of Design Patterns and elaboration of software structure/architecture.
- ✓ Implementation of Agile Methodologies, mainly SCRUM and Kanban.

Programming Skills

- ✓ Python
- ✓ C#
- ✓ Java
- ✓ Go
- ✓ Kotlin
- ✓ C++
- ✓ Unity
- ✓ Git
- ✓ Databases

Academic Education

- ✓ Master's in Applied Computing focusing on Artificial Intelligence | USP – University of São Paulo (2019 -2021)
- ✓ Degree's in Computer Science | UNISEB - Estácio (2015 - 2018)

Languages

- ✓ Native Portuguese
- ✓ Fluent English
- ✓ Intermediary Spanish

Professional Career

Educacross

Senior Software Engineer | 01/2022 – current

- Development of intelligent solutions aimed at improving education in early childhood and elementary school.
- I lead the Data team in order to create solutions to help schools and teachers better understand their students.
- **Technologies:** Python, C#, MySQL, MongoDB and AWS.

ByLearn

Teacher | 01/2019 – 06/2022

- Teaching technology and programming courses at ByLearn, mainly in Python.
- More than 37,000 students throughout Brazil, with an impact of more than 30,000 followers on social networks.
- 15+ courses ranging from basic programming to more advanced subjects and productivity tools.
- **Main Courses:** Python, Git with Github, Productivity with VS Code, Unit Tests and Graphical Interfaces with Python.

BemAgro

Head of Development | 10/2019 - 04/2021

- Leader of Research and Development team, working with Artificial Intelligence and developing solutions in Python.
- Project management and coordination with external partners in Brazil (Embrapa) and abroad (Pix4D, Switzerland).
- **Technologies:** Python, C#, Angular, MySQL, PHP, AWS and IONIC.

Zarcky Studio

Developer – Founder | 01/2017 - 06/2022

- Working as a Freelancer.
- Software and Games Development.
- Technology and programming mentoring and consulting.
- Also developing in-house projects.
- **Technologies:** Python, C#, Java, Kotlin, C++, LUA, Xamarin, Unity, MySQL, Mongo, HTML, CSS, JS and others.

Diet Code Apps

Project Manager | 08/2017 – 01/2019

- Acting in Project Management and Development
- Working as SCRUM Master, C# Developer and Xamarin Developer.
- Implementation of software development methodologies and processes.
- B2B mobile app management.
- **Technologies:** Python, C#, Xamarin, Unity and MySQL..

Cross Reality

Software/Game Developer | 07/2016 - 11/2016

- Realizing a research project by FAPESP on the use of technology and gamification in teaching.
- Acting developing games with C# and Unity.
- **Technologies:** Python, C#, Java, Kotlin, C++, LUA, Xamarin, Unity, MySQL, Mongo, HTML, CSS, JS and others.

UnkApps

Developer – Co-Founder | 01/2014 - 01/2019

- Participating in projects with two great friends (both as a hobby and professionally).
- Use of the most diverse technologies in projects with the main focus at the time in C# and Java
- **Technologies:** Python, C#, Java, C++, LUA, Xamarin, Unity, MySQL, Mongo, HTML, CSS, JS and others.

Relevant Courses

- ✓ Software Design Patterns | Udemey
- ✓ Django | Udemey
- ✓ Data Science | Udemey
- ✓ Android with Kotlin | Udemey
- ✓ Golang | Udemey
- ✓ Unity 3D | Udemey
- ✓ Python | Udemey
- ✓ Artificial Intelligence | LinkedIn
- ✓ C# | Softblue
- ✓ Java | Sofblue
- ✓ Machine Learning and Data Science with Python | Udemey
- ✓ Web Development with Python and Django Framework | Udemey
- ✓ The Creative Javascript Course | developedbyed
- ✓ The Creative HTML5 & CSS3 Course | developedbyed
- ✓ UI Design | Origamid
- ✓ Vue.js | Origamid
- ✓ Scrum Foundation Professional Certificate | CertiProf
- ✓ AWS API Gateway with HTTP, Lambda, DynamoDB | LinkedIn

Publications

ARTICLE - Reconstruction of magnetic resonance images with sparse data through artificial intelligence (Felipe Cabrera | 2021)

- ✓ Master's Dissertation on MRI Reconstruction with Deep Learning.

COURSE – Python Complete – From Junior to Senior(Felipe Cabrera | 2019)

- ✓ Teaching Python, from zero to advanced, with more than 30h of content.

COURSE – Productivity with VS Code (Felipe Cabrera | 2019)

- ✓ How to improve your programming productivity with VS Code.

BOOK – Integrating Python with PDF, Word and Excel (Felipe Cabrera | 2019)

- ✓ Book published on Amazon about integrating Python with everyday software.

Volunteer Work

University of São Paulo (USP) | 2019 - 2021

Programming Languages Teacher

- Teaching programming and software development technologies to friends, students at USP and people who wanted to enter the University.
- I had the opportunity to participate in the PAE (Project for Improvement in Teaching) and help the computing class undergraduates for a while, in addition to teaching a class about Computational Structure.