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Computer Engineer

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I am a software engineer doing Go (Golang) development with 11 years of experience in Java. I also work with Python and have some low-level programming experience with C. I'm mostly into backend development, but I've also worked in web and mobile development. I've worked in product and consulting companies remotely in both international distributed teams and local on-site teams. I have not only worked in software development companies, but have also crossed many industries such as fintech, retail chains, tourism and entertainment. Appart from working with the technologies I mentioned at the beginning, but I also enjoy researching and learning new technologies and frameworks to meet the demands of the project.

Skill matrix

	Level	Skill	Years	Comment
Language	■■■■■	Go	4	REST, gRPC, Chi
	■■■□□	JavaScript	5	jQuery, TypeScript
	■■■■□	Java	11	JEE, JBoss, Hibernate
	■■■■□	Python	3	Flask
	■■■□□	PHP	3	
	■■■□□	C	1	Mostly on RaspberryPI
	■■■■□	SQL	18	MySQL, PostgreSQL, Oracle, SQL Server
	■■■□□	Shell	3	Bash, Sh
Methodologies	■■■■□	Scrum	5	
	■■□□□	OKR	1	
	■■■■□	Gitflow	4	Github, Bitbucket, Gitlab, Gitea
	■■■■□	Unit Testing	4	
	■■■□□	CI	3	
Tools	■■■■□	Git	6	
	■■■■□	Docker	4	
OS	■■■■■	Linux	10	Debian, Ubuntu, CentOS & Arch mostly
	■■■□□	Windows	7	Programmed services .NET 1
	■■■□□	OS X	1	Could manage to build a Hackintosh
BackEnd	■■■■■	WebServices	12	REST, Json, SOAP, XML
	■■■■□	Software Design	18	OOP, Enterprise Integration Patterns
FrontEnd	■■■□□	Web	6	HTML5, DOM, CSS, Canvas, Video
	■■■□□	Mobile	3	Android/Java, iOS/ObjectiveC
Infraestructure	■■■□□	Cloud Computing	5	AWS-CloudFormation
FinTech	■■■□□	ACH Payments	2	
	■■□□□	SWIFTNet	1	

Education

1998 – 2013 **Computer Engineer**, *Universidad de la República, Facultad de Ingeniería*
Degree: *Computer engineer*

Studies

1987 – 1997 **English**, *Alianza Tala*
Degree: *Michigan certificate for competency in English*

2016 **Neuro-Linguistic Programming**, *IPNL*
Degree: *NLP Practitioner*

Experience

March 2024 – Present **Software engineer**, COMPASS, Full-time, Montevideo, Uruguay – Remote
I work developing and maintaining applications both in the backend using Go, Apache Thrift and gRPC and in the frontend with React. My focus has been on developing efficient and scalable solutions, leveraging tools such as Datadog for monitoring, AWS S3 and DynamoDB for data management.

Skills: Go React Git Apache Thrift gRPC Datadog Scrum AWS S3 DynamoDB

May 2023 – January 2024 **Software engineer**, INDEPENDENT, Full-time, Montevideo, Uruguay – Remote
I was hired to maintain a project developed back in 2015 for a photobooth machine and also create a new desktop application that receives pictures from an email address, composes a souvenir and prints it. The delivered product was very similar to the photobooth, but instead of take a picture with the camera, it receives the picture from the email.

Skills: Javascript/Node.js Electron React CSS IMAP Usability

April 2021 – January 2023 **Fullstack developer**, CLEVERTECH, Full-time, Montevideo, Uruguay – Remote
I did REST web services development in Golang for an American fintech company in a distributed international team. I mainly worked integrating ACH payments for a Developer Gateway solution. In the project, we followed Scrum and Gitflow methodologies. We managed to deliver a working prototype for the most important use cases proposed.

Skills: Unit Testing Back-End Web Development Golang Cloud Computing PostgreSQL Git RESTful WebServices Scrum Software Development JSON SQL Agile Methodologies OOP FinTech ACH Payments gRPC Continuous Integration

February 2020 – March 2021 **Backend Developer**, TRADEHELM INC. – BERKSHIRE HATHAWAY, Contract, Montevideo, Uruguay – Remote

I worked as a contractor developing backend REST services in Golang and AWS for Berkshire Hathaway Ins, one of the biggest insurance companies in the United States. The AWS technologies I mostly used were Cloudformation, Dynamodb, SNS, Lambda and ECS. We delivered a documents and templates repository service meant to be used by other development teams in the company.

Skills: Unit Testing Back-End Web Development Golang Cloud Computing Git RESTful WebServices Amazon Web Services (AWS) Scrum Software Development JSON Agile Methodologies OOP Continuous Integration

December 2018 – December 2019 **Backend Engineer**, PEDIDOSYA, Full-time, Montevideo, Uruguay – On-site
I developed REST api in Golang and Grails as programming languages with MySQL and Redis. I worked in the marketing team developing an integration with a marketing campaigns provider. The development methodologies we used were Scrum, Gitflow and OKR (Objectives Key Results). We managed to improve the integration of the marketing campaigns service not only from the technical perspective, but also exposing a service that issues vouchers meant to be available for the rest of the teams at the company.

Skills: Unit Testing Back-End Web Development Golang Cloud Computing MySQL Git RESTful WebServices Scrum AJAX Software Development JSON SQL Agile Methodologies OOP Amazon Web Services Integración continua

June 2018 – December 2018 **Full Stack Developer**, ATOS, Full-time, Montevideo, Uruguay – On-site
I participated in the beginning of the development of an application for the insurance area using Spring in the backend and Angular 2 in the frontend with Scrum methodologies. We developed a functional system implementing all of the business logic from zero.

Skills: Back-End Web Development MySQL Git RESTful WebServices Scrum JavaScript Java AJAX Software Development Web Development JSON SQL Agile Methodologies CSS HTML OOP Spring Framework Java Enterprise Edition

November 2016 – May 2018 **Computing Engineer**, FARMASHOP, Full-time, Montevideo, Uruguay – On-site

I developed Web Apps for internal use in Python, Flask and HTML. I also carried out analysis and implementation of integration between systems. I supported infrastructure maintenance. For development I applied the Gitflow model. I developed a multimedia software for broadcasting advertising in stores based on Linux and Raspberry Pi in C using ffmpeg and libaoss, resulting in a very low cost solution.

Skills: Back-End Web Development MySQL Git RESTful WebServices JavaScript Linux AJAX jQuery Android Mobile Applications Software Development Web Development PHP JSON SQL CSS HTML OOP flask

February 2016 – October 2016 **Computing Engineer, Consulting and Development**, KREITECH SOFTWARE, Full-time, Montevideo, Uruguay – On-site

I did development and consulting for BPS (Banco de Previsión Social), the Uruguayan institute in charge of coordinating, organizing and executing state social welfare and social security services. I mostly worked maintaining and developing new functionality for webpages of formalities in it's portal. The technologies y worked with were Java and JEE with JBoss implementation.

Skills: Back-End Web Development RESTful WebServices JavaScript Java AJAX JBoss Application Server Android Software Development Web Development JSON SQL CSS HTML OOP Java Enterprise Edition

August 2014 – October 2016 **Freelance Software Engineer**, SELF EMPLOYED, Full-time, Montevideo, Uruguay – On-site

I developed a photo booth software for parties with Electron, Html5, WebRTC and Canvas. The software has been in use since 2015 and it receives maintaining and new features from time to time.

Skills: Git JavaScript CSS HTML5

October 2015 – December 2015 **Teacher**, CENTRO UNIVERSITARIO REGIONAL ESTE – UNIVERSITY OF THE REPUBLIC OF URUGUAY – UTU, Part-time, Maldonado, Uruguay – On-site
I worked as a teacher for the subject "Programming of applications" in the career "computer technologist".

Skills: MySQL Java Web Development Tomcat JSON SQL CSS HTML OOP HTML5

August 2013 – August 2014 **Development and support**, DESPEGAR.COM, Full-time, Montevideo, Uruguay – On-site

I did backend development for the backoffice for the company reservation management system. It consisted on REST webservice in Java, using the Spring Framework and MySQL for data persistence. I also worked as a support engineer solving issues during the implementation and migration to a new internal reservations system where I mostly did automation using Ruby and Capybara where no webservices were available.

Skills: Back-End Web Development Cloud Computing MySQL Git Java AJAX Software Development Tomcat JSON SQL

April 2012 – August 2013 **Development**, TIMBA SOFTWARE/ALTIMETRIK, Full-time, Montevideo, Uruguay – On-site

I worked in a software factory where I developed backend by modeling data in Salesforce.com and also did web development with APEX, a dynamic web pages language for Salesforce.com. I did mobile development with iOS mostly for iPad and for Android too. The development I followed was the Scrum methodology.

Skills: Unit Testing Back-End Web Development Scrum AJAX Android Mobile Applications Software Development Web Development JSON Agile Methodologies OOP iOS Salesforce.com

April 2011 – March 2012 **Development and analysis**, K&S ASOCIADOS, Full-time, Montevideo, Uruguay – On-site

I worked as a developer of a middleware system for banking maintaining .NET and JEE ports. I also did web development using JQuery and Ajax. I participated in the certification process of the product of the company for the Swift standard. We could manage to obtain the SWIFT certification for the company's main product.

Skills: Back-End Web Development JavaScript Java AJAX JBoss Application Server jQuery Software Development Web Development Hibernate XML .NET SQL HTML Middleware OOP Web Services SWIFTNet FinTech Java Enterprise Edition

December 2008 – March 2011 **Development and analysis**, IMPROVEMIT, Full-time, Montevideo, Uruguay – On-site

I developed web applications for mobile clients using Java/JBoss and Hibernate Search for the backend side. I did multimedia content adaptation for mobiles phones, video, pictures and audio using ffmpeg, imagemagick and sox. I also did web development with Javascript/JQuery and JSP. I did architecture design and deployment in Amazon Web Services. We managed to create a prototype of a social network for cheap mobile phones that offered video, audio clips and wap pages sharing, presented to Claro Argentina.

Skills: Back-End Web Development Cloud Computing MySQL Amazon Web Services (AWS) JavaScript Java Linux AJAX JBoss Application Server jQuery Software Development Web Development Hibernate SQL CSS HTML OOP Architecture Amazon Web Services Java Enterprise Edition

- September 2006 – December 2008 **Software Developer**, POKSMEDIA, Full-time, Montevideo, Uruguay – On-site
I did backend development in Java and JBoss of a social network for mobile phones. Worked with clustering using JBoss and Ultramonkey and performed Linux servers administration for production and testing. We delivered the backend and frontend of a social network that was deployed in Spain named POK. I also designed developed and put in production a solution for displaying data in broadcast television screens.
- Skills:** ○ Back-End Web Development ○ MySQL ○ Java ○ Linux ○ JBoss Application Server ○ Mobile Applications ○ Software Development ○ Hibernate ○ XML ○ SQL ○ Apache ○ OOP ○ Architecture ○ Java Enterprise Edition
- November 2005 – September 2006 **Software Developer**, BANCO DE PREVISIÓN SOCIAL, Internship, Montevideo, Uruguay – On-site
I mainly worked with Microsoft technologies at BPS, mainly Visual Basic 6 and web development with ASP.NET. I also did help desk here.
- Skills:** ○ Back-End Web Development ○ Software Development ○ Web Development ○ SQL ○ CSS ○ HTML
- August 2005 – November 2005 **Developer and Systems administrator**, BEFORE INTERACTIVE SOLUTIONS, Full-time, Montevideo, Uruguay – On-site
I did help desk for hosting services. I have worked with Linux and Windows Server 2003 platforms and also I maintained several websites written in PHP for customers in the United States.
- Skills:** ○ Back-End Web Development ○ MySQL ○ Linux ○ Software Development ○ Web Development ○ Tomcat ○ PHP ○ SQL ○ HTML ○ Apache
- November 2003 – July 2005 **Developer**, IMFIA – FACULTAD DE INGENIERÍA, Part-time, Montevideo, Uruguay – On-site
I started as a java developer for an application that does costs projection for works of landfills. I developed and delivered a desktop Java application used to estimate costs of landfill construction by projecting population evolution of the region, costs of supplies, machinery depreciation and salaries through all of the useful life.
- Skills:** ○ Java ○ Software Development

Work references

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