Senior Software Developer | AWS Certified
Vicente Paul Guerrero Lule

Mannsfelder Str. 1 – 50968 – Cologne
vicenteguerrero.tech | vic.lule@gmail.com | (+49) 176 32715017

Production Software Development and Prototyping.
aws certified, python, java, kotlin, javascript, rust, gitlab, docker, ci/cd, terraform, pyspark, scrum, safe

Profile

A certified cloud developer with extensive experience in software development and deployment of ML models. Over ten years of experience, since 2016 focusing on python, java/kotlin and rust languages for microservices and machine learning development, and deployment in the cloud.
TDD, scrum and solution-oriented describe my way of working. Equally effective in a team environment or as a lone specialist.

Certifications

07/2023	[AWS Certified Developer Associate](#)
10/2020	[AWS Certified Cloud Practicioner](#)
06/2018 – 08/2018	[Deep Learning Specialization - Coursera](#)
12/2016	Foundation in agile project management SCRUM

Technologies, Tools and Frameworks

Python - Expert	FastAPI, Flask, scikit-learn, pandas, poetry, pytest, black, pylint, mypy, twine, etc
Java/Kotlin - Senior	Spring Boot, Spring Data JPA, Hibernate, Maven, Junit, Mockito
Datenbanken	MySQL, Postgres, AWS RDS, AWS DynamoDB
AWS	Lambda, EC2, ECS, SQS, SNS, Glue, CloudWatch, X-Ray, CI/CD CodePipeline, CloudFormation, CDK, etc
Collaboration	Scrum, SAFe, Jira
CI/CD	Gitlab, Github Actions, AWS CodePipeline/CodeBuild/CodeDeploy
-----	Docker, Kubernetes, Bash, Kafka, Pyspark, Terraform

Work Experience

9/2016 – **Freelance Software Developer**

Data Driven Software development in the cloud @ *Telekom Innovation Hub – Special Integration*
1/2022-6/2023
- ❖ Microservices development on Python, Java and Kotlin, these are part of a complex system that interprets natural language
- ❖ Cache in Redis
- ❖ Async, Multi-Threading/Processing WebSocket and API development in Python and Java
- ❖ Scale complex Python based ML and NLP applications
- ❖ Development and optimization of complex Python libraries with Rust bindings

- ❖ Support ML teams with the development and deployment of ML models to production.
- ❖ CI/CD pipelines in gitlab and monitoring of applications
- ❖ Development of NLU and phonetic/fuzzy matching algorithms

python, java, kotlin, rust, redis, azure, k8s, gitlab, ci/cd, terraform, scrum, sql

Serverless Software development in AWS @ *Otto – SEO*
9/2021-1/2022
- ❖ ETL Pipelines development, SQS, SNS, Lambda, ECR, ECS, DynamoDB
- ❖ Serverless Software development in Kotlin, Java and Typescript
- ❖ CI/CD pipelines in github
- ❖ IaC in terraform and pulumi
- ❖ Deployment of sql and nosql databases in AWS and MongoDB

kotlin, typescript, pulumi, aws, github actions, ci/cd, sql, nosql

Software development in the cloud @ Telekom Innovation Hub – Telephony und Voicemail
5/2019 – 8/2021
- ❖ Integration of Telephony and Voicemail services into a Voice Assistant
- ❖ Async REST API development in Python and Java
- ❖ CI/CD pipelines in gitlab and monitoring of applications
- ❖ Microservices development on Python, Java and Kotlin

python, java, kotlin, rust, azure, gitlab, ci/cd, terraform, scrum, sql

Software and ML Development @ *Leybold GmbH - Intelligent Products*
6/2017 – 5/2019
- ❖ Design and development of a cloud-based data collection strategy. Data coming from a number of sensors installed in machines connected through an IoT Platform
- ❖ Machine learning models development and clustering analysis
  - ❖ Linear Models, Neural Networks, Clustering Algorithms
- ❖ REST API Development in Python using flask and django
- ❖ Data Model design and Databases implementation
- ❖ Deployment of APIs and Databases to AWS

python, pandas, numpy, sklearn, tensorflow, keras, flask, django, aws, sql

Development of a Web App with React and Next.js @ *Own Project* – readperword.com
2022, 2023
- ❖ Frontend built using React and Next.js
- ❖ Backend built on Google Firebase
- ❖ Hosted in Vercel

javascript, firebase, react, vercel, github, nosql

Machine Vision automation projects
9/2016 –5/2017
- ❖ Integration of Industrial Cameras and Development of Image Processing Scripts for automation applications
- ❖ Integration of Industrial cameras and Image Processing Software in C# Applications

MVTec Halcon, C#, different camera vendors

1/2013 – 8/2016   **Product Developer – Micro Assembly**
Micro Automation, St. Leon-Rot
- ❖ Coordination with research institutions
- ❖ Design and development of a software architecture for complex automation processes

11/2010 – 12/2012   **Research Assistant** in the **Micro Production** department
Fraunhofer-Institute for Production Technologies, Aachen

- ❖ Design and development of novel concepts for the high precision assembly of optical components
- ❖ Development of image-processing-based algorithms

09/2009 - **Research Assistant** (part time) in the **Energy Efficient Buildings and Indoor Climate**
08/2010 department
E.ON Energy Research Center, RWTH, Aachen
- ❖ Development of control software for research setups

03/2008 – **Entry engineer** in the **Performance** department
09/2008 *General Electric, Advanced Turbomachinery Engineering Center,* Queretaro, Mexico
- ❖ Software development for the analysis of thermodynamic data

Other Experiences

2022, 2023	Udemy courses: rust, spark, [kafka](), devops, aws, terraform
2019, 2022, 2023	PyCon Balkan 2019, PyCon Berlin 2022 und 2023
10/2016, 11/2017	Conferences: Data Natives 2016 und 2017. Berlin

Education

09/2008 – 08/2010	**Master of Science in Mechatronics,** *Fachhochschule Aachen* (1,3), Aachen, Germany
07/2003 - 02/2008	**Mechanical Engineer,** *Celaya Technology Institute (1,7),* Celaya, Mexico

Publications

C. Brecher, R. Schmitt, P. Loosen, V. Guerrero, N. Pyschny, A. Pavim, A. Gatej. Self-optimizing approach for automated laser resonator alignment. Optics and Lasers in Engineering 50 2012, 287-292.

Language Skills

Spanish: Native speaker
English: Business fluent
German: Fluent

Interests

Sports (weight training, kitesurf, cycling)
Literature (science, history, philosophy); Traveling
Mensa.org Member

Cologne. August 20th 2023

Annexes

- ❖ Recommendation letter: Telekom
- ❖ Recommendation letter: Telekom
- ❖ Recommendation letter: mm1 Consulting GmbH
- ❖ Recommendation letter: axxessio GmbH
- ❖ Recommendation letter: Atlas Copco / Leybold
- ❖ Certificate: Scrum Foundation
- ❖ Certificate: Certified Project Manager

Oliver Fladda
Lead Software Architect Magenta Voice Products
Deutsche Telekom AG

Nach Absprache.

Subject: Successful project with Mr. Vicente Paul Guerrero Lule
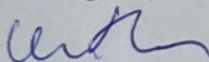
Dear Sir or Madam,

I am pleased to recommend Vicente Paul Guerrero Lule as a skilled software engineer who collaborated with me on the Magenta Voice assistant project at Deutsche Telekom.

He has displayed a keen interest and knowledge in natural language processing, a strong passion and expertise in algorithms and backend development, as well as commitment to achieve great results with a proactive attitude.

Vicente has also shown very good communication skills within his team and with others across the organization. He was able to document and organize his work well and present it in a clear way to the rest of the team members.

I would like to express my gratitude to Vicente for his work and wish him all the best for the future. Vicente was contracted as a freelancer with the support of our very valuable partner Axxessio GmbH.

Kind regards,

Oliver Fladda
2023-06-05

axxessio GmbH
Kurfürstenallee 5
53177 Bonn

WE ARE:	DTAG, GHS, TECHNOLOGY & INNOVATION / Innovation HUB
YOUR CONTACT:	Nicolas Walter Stepanek
TEL. NUMBER:	Nach Absprache.
DATE:	18/01/21
SUBJECT:	Confirmation of Excellence - Successful project with Mr Vicente Paul Guerrero Lule

Dear Sirs,
We are pleased to confirm that we worked together with Mr Vicente Paul Guerrero Lule (Axxessio GmbH) in 2020/2021 to provide voicified communication services like voicemail or telephony on a smart speaker.

During our project with Mr Guerrero Lule we were delighted by his support. Our customers and we are very happy that he has delivered in budget, time and quality. During our project we found him to be extremely helpful, committed to the task, intelligent and able to work hard. He has proved to be a very good colleague in our team, the kind of person who not just starts a project but always completes them.

We are confident that the experience and knowledge gained by Mr Guerrero Lule in our international project will be for his further benefit.

We would like to thank Mr Vicente Paul Guerrero Lule personally for his work and wish him all the best for the future. We are looking forward to continue our partnership with Axxessio GmbH.

On behalf of

N. Stepanek

Nicolas W. Stepanek

Senior Manager Technical Innovation / Product Owner Voicified Communication

Product Management Chapter

Maike Saager
Manager
mm1 Consulting GmbH

Nach Absprache.

Subject: Successful project with Mr Vicente Paul Guerrero Lule

Dear Sir or Madam,

I am writing this letter to highly recommend Mr Vicente Paul Guerrero Lule as very talented Software Engineer. Having had the privilege of working closely with Vicente for over 2 years, I can attest to his exceptional skills, extensive experience, and outstanding work ethic.

As a senior software engineer in the Special Integration Team of the Magenta Voice Program of Deutsche Telekom, Vicente consistently demonstrated a deep understanding of complex technical concepts, a passion for problem-solving, and a dedication to delivering high-quality software solutions. His ability to analyze intricate challenges and devise innovative solutions is truly remarkable. Throughout his tenure, Vicente has consistently delivered projects on time and within budget, exceeding expectations and ensuring client satisfaction.

Vicente has excellent communication skills, enabling him to effectively convey technical information to both technical and non-technical stakeholders. Their ability to articulate complex concepts in a clear and concise manner has been instrumental in achieving successful project outcomes.

Beyond his technical expertise, Vicente is a team player with a positive attitude and a strong work ethic. He consistently collaborates with colleagues to achieve common goals and is always willing to go the extra mile to ensure project success. Their professionalism, reliability, and ability to thrive in fast-paced environments make him an invaluable asset to any team.

In summary, I have no doubt that Vicente would be an exceptional addition to any future team. His exceptional technical skills in the backend and algorithm development, leadership abilities, and commitment to delivering outstanding results make him a standout candidate for your position. I would like to thank Vicente for his work and wish him all the best for the future. Vicente was contracted as a freelancer with the support of our very valuable partner Axxessio GmbH.

Should you require any further information or wish to discuss Vicente's qualifications in more detail, please do not hesitate to contact me at

Nach Absprache.

Nach Absprache.

Kind regards
Maike Saager

05.06.2023

Letter of Recommendation for Vicente Guerrero

June 7th, 2023

Opinions are my own and may not reflect the opinions and/or beliefs of my current employer.

To whom it may concern,

I am writing this letter to highly recommend my colleague, Vicente Guerrero, for any software development positions.

As a software developer, Vicente possesses extensive expertise in various programming languages, particularly in Python. His technical and problem-solving abilities have been invaluable to our team and have contributed significantly to the success of our projects. Whether faced with complex challenges or tight deadlines, Vicente consistently delivered high-quality solutions. His thoughtful and well-reasoned approach to technical decision-making has not only enhanced the performance and stability of our software but has also positively impacted our overall development process.

Vicente is highly invested in the success of the products he works on. He consistently goes above and beyond in his efforts to improve our applications. His willingness to explore innovative ideas have been instrumental in driving our team's success.

Moreover, Vicente has also been an invaluable asset in supporting architectural decisions within our projects. His input and collaboration with the team have been always appreciated, and his insights have contributed to creating robust and scalable software systems.

On a personal level, I have found Vicente to be a pleasure to work with. His positive attitude, strong work ethic, and excellent communication skills make him an exceptional team player. He is always willing to share his knowledge and support his colleagues, fostering a collaborative and productive work environment. Vicente consistently demonstrates professionalism, integrity, and a genuine passion for software development.

Sincerely,

Fynn Mazurkiewicz

Lead Software Developer, axxessio GmbH

Joeri Coeckelbergs
Manager Intelligent Product
Atlas Copco Industrial Vacuum Division

Nach Absprache.

Dear Sir or Madam,

It's my pleasure to recommend Vicente Guerrero as a solid software engineer with keen interest and knowledge in machine learning topics.

Vicente has worked in my team for nearly 2 years as an external consultant. Together we have worked on several projects, but he was mainly focusing on machine learning and AI topics within the team. During this time I can say, I was able to get to know him quite well. Strong determination to achieve results, a hands-on approach and a very likeable social character would describe him very well.
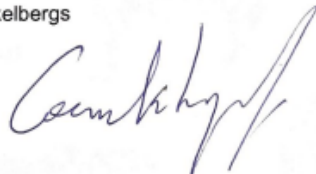
Vicente has shown good software engineering work together with project managing skills. During this project his core task was developing a machine learned algorithm to predict certain variables in our machinery. The work he performed was well documented, well-structured and he thoroughly analyzed the problem before starting with the development of the algorithm. This enables him to learn new skills quite fast.

He also had to manage many other stakeholders, including lab personnel or suppliers. With his good people/social skills and a good joke here and there, this has proven to be no problem for Vicente. He will manage to get things done.

With his good project approach, social skills and a good drive to achieve results, I believe Vicente could really become a key asset for everyone looking for a good software engineer for machine learning and AI topics. If you have any more questions or if you would like to have a chat about Vicente, please feel free to contact me

Kind regards,

Joeri Coeckelbergs

10/04/2019

ITEMO

ZERTIFIKAT

Die TÜV SÜD Akademie bescheinigt, dass

Vicente Paul Guerrero Lule
geboren am 02.11.1985 in Celaya, Mexiko
an der Prüfung

Foundation in agile project management according to SCRUM

nach den Anforderungen der TÜV SÜD Akademie GmbH – Zertifizierungsstelle für Personal, mit Erfolg teilgenommen hat.

Das Zertifikat „Foundation in agile project management according to SCRUM" nach Richtlinien der ITEMO weist Kenntnisse in agilem Projektmanagement nach. Dem Zertifikat liegt das Verständnis für die SCRUM-Theorie (gemäß SCRUM Guide™) zugrunde. Es bestätigt grundlegendes Wissen zur SCRUM-Philosophie, den Ereignissen, Regeln, Rollen, Artefakten und ihren Beziehungen und Wechselwirkungen sowie zur Durchführung von SCRUM-Projekten. Eine Vertiefung des Erlernten durch praktische Übungen hat stattgefunden.

Zertifikatsnummer 1612#312602637
Köln, 30.12.2016

Jürgen Merz
Geschäftsführer
TÜV SÜD Akademie GmbH

Harald Koelln
Prüfungsmanagement
der TÜV SÜD Akademie GmbH

TÜV®