

Pablo Ángel Álvarez Fernández

• Av. Marqués de Corbera, 62 • Madrid 28017 • 699758442 • pabloaaf.github.io
• pa.alvarezfernandez@gmail.com • linkedin.com/in/palvaf • github.com/pabloaaf

SUMMARY Dedicated Computer Science engineer. Passionate about new technologies, focused on deploying web applications on both cloud and on-premises environments.

EDUCATION

2020-2021	CEU SAN PABLO UNIVERSITY <i>Expert IT and Business masters</i>	Madrid, Spain
2019-2020	ILLINOIS INSTITUTE OF TECHNOLOGY <i>Information Technology and Management masters</i>	Chicago, IL GPA: 4/4
2018-2020	TECHNICAL UNIVERSITY OF MADRID <i>Computer Sciences masters</i>	Madrid, Spain
2014-2018	UNIVERSITY OF LEÓN <i>Computer Sciences bachelor's degree</i>	León, Spain <i>Honors: final project (LRAC)</i>

EXPERIENCE

09/20-Present	ROCHE <i>Client Devices Solution Engineer Trainee</i>	Madrid, Spain
	<ul style="list-style-type: none">• Implement automations for boosting scrum documentation and ceremonies. Achieved team transparent Service Now request management mirroring the information in Trello.• Roche Linux Client as a Service project. Create Ansible roles for applying client-side customizations like CIS benchmark compliance and develop Debian packages distributed within the corporate network.	
02/20-08/20	ILLINOIS INSTITUTE OF TECHNOLOGY <i>Student developer ArtificialPancreas, Engineering Center for Diabetes Research and Education</i>	Chicago, IL
	<ul style="list-style-type: none">• Designed and implemented new Kubernetes full-stack infrastructure. Extracted computation from previous mobile development to two Node back-end. Added web interface for doctors to conduct clinical trials.• Enforce security checks to protect medical records.	
06/2017-07/18	UNIVERSITY OF LEÓN <i>Student Developer LRAC, Institute of Automatics and Manufacturing</i>	León, Spain
	<ul style="list-style-type: none">• Supported a group of 60 students working in real-time with automation machines• Researched front-end technologies like Angular, React and similar. Designed and implemented using Angular 2 to 6 in Typescript.	

PROJECTS

10/19-07/20	Factor: Web repository of transcribe online classes <i>Researcher, School of Applied Technology</i>	Chicago, IL
	<ul style="list-style-type: none">• Full-stack development of a service that offers IIT students' and professors' transcription and search capabilities in their course's videos with transparent registration using Google oauth2.0.• Handle transcriptions on cloud and open-source components. The cloud option employs AWS Transcribe with AWS S3 and the open source relies on DeepSpeech on top of a gRPC microservice.• Orchestrate Jenkins-Kubernetes CICD pipeline for managing Angular front-end, Node back-end and MongoDB cluster deployments.	
2020	Azure Data Warehouse	Chicago, IL
	<ul style="list-style-type: none">• Constructed pipeline capable of extracting data from several APIs, transforming data, predicting and visualizing data about the impact of Covid-19 on the city of San Francisco.• Used Az. Data Factory to get data from REST APIs and orchestrate the data pipeline, Az. Data Lake to store all the data, Az. HD Insight with Spark to transform and clean the data, Az. SQL Data Warehouse to store the business data, Tableau to make visualizations.	

SKILLS

Java, Python, JavaScript/TypeScript, Ansible, bash.

PUBLICATIONS

10/2020	A Case Study in Comparative Speech-to-Text Libraries for use in Transcript
SIGITE	Generation for Online Education Recordings. Alvarez, P. , Hajek, J.
10/2020	The Necessity of Interdisciplinary Software Development for Building Viable
SIGITE	Research Platforms. Hajek, J., Rashid, M., Cinar, A., Alvarez, P. , Jain, D. & Sevil, M.



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