



DAVID GARCIA TORT

Computer engineer

About

Computer engineer who holds a BSc + MSc in Computer Engineering from the Autonomous University of Barcelona.

He has over seven years of experience that gives him a wide knowledge in different fields such as web and mobile development using the newest technologies, devops or project management, in addition to graphic design.

He lived in Seoul (South Korea), where he finished his Master's studies in CS at Seoul National University, the best university in the country and one of the most prestigious in Asia.

After, he moved to Taichung (Taiwan), where he lived for four years. He had the opportunity to learn Chinese at the same time that he was working at Rhinoshield, a well-known start-up company for its quality phone cases and screen protectors around the world.

He is now living in Tokyo (Japan), where he has been working as an iOS developer and with the latest cutting-edge AI technologies. Currently working at Paidy, a pioneer and leading online payment service for online shops, which has been recently acquired by PayPal.

Contact

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https://degete.cat

Languages

Catalan ●●●●●●●●
Spanish ●●●●●●●●
English ●●●●●●●○
Chinese ●●●○●●●○
Japanese ●●●○●●●○

Skills

AmazonAWS, Android, Ansible, BitBucket, Bootstrap, CSS, DigitalOcean, Django, Docker, Git, GitHub, GitLab, HTML, iOS, Java, Javascript, Jenkins, JIRA, Kubernetes, Laravel, Linux, MacOS, NodeJS, PHP, Python, React, Rust, Sketch, SpringBoot, Swift, Terraform, Vue, Windows

WORK EXPERIENCE



October 2021 - Current
Tokyo, Japan

Senior Software Engineer

- Consumers API:** Authentication & Authorization, Identity Management and GraphQL microservices
- Backend API service developed in Rust and Actix, using PostgreSQL and Redis databases
 - Provide GraphQL to reduce the requests from the apps, fetching data from the microservices
 - Migrate tokens to a new standard and more secure JWT authentication using AWS Cognito
 - Integrate reCAPTCHA Enterprise into the authentication to prevent account takeovers
 - AWS ECS Infrastructure managed with Terraform and automated CI/CD using CircleCI
 - Decrease CI/CD cost decreasing Rust linting, building and testing times in CircleCI
 - Reduce new members onboarding time with the creation of a development environment with VSCode and Docker, which integrates code linting and debugging out of the box
 - Increase speed development reducing Rust building times using mold linker, incremental builds and caching dependencies with sccache



December 2019 - October 2021
Tokyo, Japan

Senior Software Engineer

- PyGrade:** e-learning platform to improve Python skills
- Backend API developed with Django, frontend developed with VueJS
 - Integrate Python runtime to the browser via WebAssembly with Pyodide
 - Kubernetes infrastructure managed with Terraform
 - Automated deployment on GKE using GitHub Actions
- iLect:** e-learning computing service platform for AI researchers and engineers
- Backend API developed with Flask, frontend developed with VueJS
 - Kubernetes infrastructure cluster managed with Terraform
 - Kubernetes HPC cluster to run the server machines with CPU/GPU (CUDA) with JupyterLab
 - Automated deployment on GKE using GitHub Actions
 - Create and maintain Docker image with the latest CUDA drivers, JupyterLab and VNC
- HPC:** in-house high performance computing cluster
- Manage and maintain our HPC cluster (NVIDIA DGX Stations) with Ansible
 - Manage JupyterHub server to run Jupyter Notebooks using Docker Swarm
 - Maintain JupyterHub Docker images for PyTorch, Tensorflow and related technologies



November 2018 - December 2019
Tokyo, Japan

iOS Developer

- Hapilk:** in-house iOS health app to encourage employees to do exercise
- HealthKit integration for fetching health data information
 - GCD concurrent tasks using DispatchQueue and DispatchGroup
 - Dependency management using CocoaPods and Carthage
 - API integration with JWT authentication using Moya and Alamofire
 - API response using SwiftyJSON and Codable Swift protocol
 - Code styling using SwiftLint
 - Continuous Integration using CircleCI
 - Automatic deployment using Fastlane
 - Dashboard health charts using Charts framework
 - Crash analytics using Crashlytics
- Logijob:** SAAS recruitment platform specialized for a logistic companies
- Backend API developed with Laravel, frontend developed with VueJS
 - Administration panel using Laravel Nova
 - Unit testing using PHPUnit and continuous integration using CircleCI
 - Automated deployment using Docker and Amazon ECS

Full work experience at <https://degete.cat/about>

EDUCATION



September 2013 - June 2014
Seoul, South Korea

Exchange program in Computer Science and Engineering

- Final project:** mobile web app to check the menu of the restaurants around the campus
- User location using browser geolocation API
 - Parse menus information from the restaurants official website
 - Responsive design using jQuery Mobile



September 2009 - June 2014
Barcelona, Catalonia

BSc + MSc in Computer Engineering

Activities and societies: President of the Microsoft DotNetClub Z2 Club