



DAVID GARCIA TORT

Computer engineer

About

Computer engineer with a BSc and MSc in Computer Engineering from the Autonomous University of Barcelona.

With broad experience across web and mobile development, platform and infrastructure engineering and project delivery, using modern, production-ready technologies.

Lived in Seoul, South Korea, and completed an MSc in Computer Science at Seoul National University, one of the most prestigious universities in Asia.

Later moved to Taichung, Taiwan for four years, learning Chinese while working at Rhinoshield, a globally recognized startup known for high-quality phone cases and screen protectors.

Currently based in Tokyo, Japan, working as a full-stack and iOS developer focused on cutting-edge AI technologies. Part of DoorDash | Wolt, market-leading online delivery platforms connecting consumers with local and online merchants through on-demand ordering, seamless payments, and fast, reliable fulfillment across food, retail, and grocery.

Contact

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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

DOORDASH Wolt

April 2024 - Present
Tokyo, Japan

Senior Software Engineer

- Wolt Storefront:** white-label ordering platform enabling merchants control over branding and sales
- Backend microservices built in Kotlin/Ktor with MongoDB
 - Standardized gRPC communication using shared Protobuf contracts across services
 - Service-to-service token authentication with global and granular permissions
 - Integrated hCaptcha Enterprise into high-risk flows to mitigate SMS abuse
 - Established code quality gates with Ktlint/Detekt with integrated check into CI/CD
 - Provisioned AWS infrastructure with Terraform/Helm and automated CI/CD GitHub Actions
 - Led performance profiling and capacity planning to sustain peak traffic
 - Scoped new projects and features by authoring RFCs with stakeholders and clear ownership
 - Coordinated cross-team communication to align scope and dependencies for new projects
 - Migration to a unified, multi-tenant platform targeting scale and global rollout across brands

paidy

October 2021 - March 2024
Tokyo, Japan

Senior Software Engineer

- Consumers Service:** Authentication & Authorization, Identity Management, and GraphQL microservices
- Built Rust (actix-web) services with PostgreSQL and Redis for identity and auth workloads
 - Implemented a GraphQL aggregation layer to reduce client round-trips and service fan-out
 - Migrated token issuance to JWT via AWS Cognito to strengthen security and compliance
 - Integrated reCAPTCHA Enterprise to mitigate account takeover attempts
 - Managed AWS ECS infrastructure with Terraform and automated CI/CD in CircleCI
 - Reduced CI/CD cost by optimizing Rust linting, build, and test times in CircleCI
 - Improved developer onboarding with a VS Code + Docker environment and built-in linting/debugging
 - Accelerated Rust builds with mold, incremental compilation, and sccache
 - Designed low-latency token services with predictable performance and memory safety guarantees
 - Optimized DB access patterns and cache usage to stabilize p99 latency and increase throughput
 - Migrated from a legacy stack, boosting RPS by >500% and handling peak events without outages

NABLAS

December 2019 - October 2021
Tokyo, Japan

Senior Software Engineer

- PyGrade:** e-learning platform to improve Python skills
- Backend API service built with Django and frontend built with VueJS
 - Integrated in-browser Python runtime via WebAssembly and Pyodide
 - Provisioned Kubernetes infrastructure with Terraform
 - Automated deployments on GKE using GitHub Actions
- iLect:** e-learning computing service platform for AI researchers and engineers
- Backend API service built with Flask and frontend built with VueJS
 - Managed Kubernetes infrastructure with Terraform
 - Operated Kubernetes HPC clusters for CPU/GPU (CUDA) workloads with JupyterLab
 - Automated deployments on GKE using GitHub Actions
 - Built and maintained Docker images with CUDA drivers, JupyterLab, and VNC
- HPC:** in-house high performance computing cluster
- Managed HPC clusters (NVIDIA DGX Stations) with Ansible
 - Operated JupyterHub server to run Jupyter Notebooks on Docker Swarm
 - Maintained JupyterHub Docker images for PyTorch, TensorFlow, and related AI tooling

innovatech studio

November 2018 - December 2019
Tokyo, Japan

iOS Developer

- Hapilk:** in-house iOS health app to encourage employees to do exercise
- Integrated HealthKit to fetch health data
 - Implemented GCD concurrency using DispatchQueue and DispatchGroup
 - Managed dependencies with CocoaPods and Carthage
 - Integrated APIs with JWT authentication using Moya and Alamofire
 - Parsed API responses with SwiftyJSON and Swift Codable protocol
 - Enforced code style with SwiftLint with integrated checks in CI/CD
- Full work experience at <https://degete.cat/about>

EDUCATION

서울대학교 SEOUL NATIONAL UNIVERSITY

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

UAB Universitat Autònoma de Barcelona

September 2009 - June 2014
Barcelona, Catalonia

BSc + MSc in Computer Engineering

Activities and societies: President of the Microsoft DotNetClub Z2 Club