David **Tort**

Software Architect · Platform Engineer

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Work Experience

DoorDash · Wolt

April 2024 - Present
Tokyo, Japan

Senior Software Engineer

Storefront: white-label marketplace platform giving merchants control over branding and sales

- Authored *RFCs* and aligned scope across engineering, product and design to deliver new projects and features
- Drove adoption of AI tools (*Cursor*, *Claude*, *Copilot*, *Codex*) across the team to speed up development
- Architected and shipped a *Kotlin*/*Ktor* service on *MongoDB*, supporting 500+ merchants
- Established *Ktlint*/*Detekt* static-analysis standards team-wide, improving consistency
- Designed shared *Protobuf*/*gRPC* contracts that standardized communication across microservices
- Hardened internal security with scoped service-to-service token authentication
- Protected high-risk flows from SMS fraud and account takeovers with *hCaptcha Enterprise*
- Provisioned *AWS* infrastructure with *Terraform* and *Helm*, and automated *CI/CD* with *GitHub Actions*
- Set up *Datadog* dashboards, custom metrics and alerts for proactive incident detection

Paidy

November 2021 - March 2024
Tokyo, Japan

Senior Software Engineer

Consumers API: authentication, authorization and identity management

- Built a high-throughput *Rust*/*Actix* auth service on *PostgreSQL* and *Redis*, serving 5M+ active users
- Designed a *GraphQL* layer that reduced client round-trips, payload size and latency
- Led a zero-downtime migration of 20M+ accounts from *AWS Cognito* to in-house *JWT* authentication
- Integrated *reCAPTCHA Enterprise* into auth flows to stop SMS fraud and account takeovers
- Provisioned *AWS ECS* with *Terraform*, reducing costs with autoscaling and Spot Instances
- Accelerated *CI/CD* and lowered costs with parallel builds, incremental compilation and caching
- Shortened onboarding with a dockerized *VS Code* development environment

NABLAS

December 2019 - November 2021
Tokyo, Japan

Senior Software Engineer

PyGrade: e-learning platform to improve Python skills

- Delivered a *Django* service and *Vue* SPA for a platform serving 10,000+ learners
- Integrated *Pyodide* as an in-browser *WebAssembly Python* runtime, eliminating server-side code execution
- Provisioned a *GKE* cluster with *Terraform* and automated *CI/CD* deployments with *GitHub Actions*

iLect: e-learning platform for AI/ML courses

- Developed and maintained a *Flask* service and *Vue* SPA serving 200+ students per session
- Provisioned *EKS*, *GKE* and *AKS* clusters with *Terraform*, scaled to class schedules
- Automated multi-cloud deployments with *GitHub Actions* and *Cloud Build*
- Maintained *CUDA*-enabled *Docker* images with *JupyterLab*, *VNC* and up-to-date ML toolchains

ML Research Platform: in-house high-performance computing cluster for the R&D team

- Administered *JupyterHub* on an on-premises GPU cluster with *Docker Swarm*
- Managed cluster configuration with *Ansible* and monitoring with *Prometheus* and *Grafana*
- Maintained custom *Docker* images for *PyTorch*, *TensorFlow* and other ML frameworks

Innovatech Studio

November 2018 - December 2019
Tokyo, Japan

iOS Developer

Hapilk: in-house iOS health app to encourage employees to exercise

- Shipped the app to a 25,000+ employee user base, syncing on-device health metrics with *HealthKit*
- Processed health data concurrently on-device with *GCD* (*DispatchQueue*/*DispatchGroup*)
- Built a *Laravel* service powering company-wide activity rankings across all users' health data
- Connected the app to the service with *JWT* authentication using *Moya* and *Alamofire*
- Automated *App Store* releases with *CircleCI* and *Fastlane*, and monitored crashes with *Crashlytics*

Logijob: SaaS recruitment platform for logistics companies
- Delivered a *Laravel* service with *Laravel Nova* admin panel and a *Vue* SPA
- Deployed with *Docker* on *Amazon ECS* and automated *CI/CD* with *CircleCI*

Rhinoshield

September 2016 - September 2018
Taichung, Taiwan

Full Stack & DevOps Developer

Boltics Core: e-commerce management service with Shopify integration
- Built a real-time *Laravel* service syncing *Shopify* orders and inventory, processing 50,000+ orders daily
- Drove project delivery with *JIRA*, coordinating scope and priorities across the team
- Scaled the application horizontally on *Amazon EC2* behind an *Elastic Load Balancer*
- Automated *CI/CD* with *Bitbucket Pipelines* and set up *Amazon CloudWatch* alerting

MassFulfill: automated fulfillment app published on the Shopify App Store
- Engineered event-driven order sync across *Shopify* stores with webhooks and *Amazon SQS*
- Implemented team billing and subscriptions with *Laravel Spark*, enabling recurring revenue
- Provisioned a production *Ubuntu Server* with *NGINX* on *Amazon EC2*

In-house Shipping System: automated shipping system for processing orders
- Developed a *Laravel* service for concurrent multi-order processing, boosting throughput and reducing human error
- Delivered a *Vue* and *Bootstrap* SPA with real-time order status updates

WSI

December 2015 - August 2016
Taichung, Taiwan

Full Stack Web Developer

EasyBank: P2P lending platform
- Developed a *Node/Express* service with *JWT* auth, deployed on *Amazon EC2* with *NGINX* and *PM2*
- Built a responsive *Angular* SPA and a hybrid *Android/iOS* app with *Ionic*

9CIRCLE

September 2014 - November 2015
Taichung, Taiwan

Web Developer & Graphic Designer

9CIRCLE Int: company's official website and brand identity
- Launched the online product catalog with *WordPress* and *WooCommerce*
- Designed the brand identity, product packaging and a printed multilingual product catalog

Education

Seoul National University

September 2013 - June 2014
Seoul, South Korea

Exchange program in Computer Science and Engineering

Autonomous University of Barcelona

September 2009 - June 2014
Barcelona, Catalonia

BSc + MSc in Computer Engineering

Skills

Technologies

Languages	Go, JavaScript, Kotlin, PHP, Python, Rust, Swift, TypeScript
Frameworks	Django, gRPC, Ktor, Laravel, Nuxt, React, Tailwind, Vue
Databases	MongoDB, MySQL, PostgreSQL, Redis, SQLite
Infrastructure	Ansible, AWS, Docker, GCP, GitHub Actions, Kafka, Kubernetes, Terraform
Observability	Datadog, Grafana, Prometheus
AI	Claude, Codex, GitHub Copilot

Languages

Native	Catalan, Spanish
Proficient	English
Intermediate	Chinese, Japanese