FABIJAN BAJO
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EMPLOYMENT

DevOps / Solutions Engineer	**IBM**	**Mar 2019 - Now**

Project Vinturas – The vehicle supply chain, IBM's 4th biggest blockchain project (Amsterdam)
- Designed and implemented the infrastructure architecture with 2 successfully deployed international MVP's
- Created a Terraform Kubernetes based blockchain blueprint, reducing cost, time and human error for new IBM projects and blockchain organization onboarding
- Translated Hyperledger images into custom Helm charts for Kubernetes, reducing configuration complexity
- Integrated monitoring and logging, reducing pod failures by 80% through improved resource allocations
- Written a blockchain replicator for mirroring the world state database, increasing query speeds up to 200%

Project Interville - Blockchain network for the National Council of Clerks (Paris)
- Designed a Kubernetes based CI CD pipeline and boilerplate, successfully introducing automation to the team
- Supported with Kubernetes on-premise production hardening and preparing for the first release

IBM Internal Blueprint Toolchain Project
- Created custom helm charts and pipelines for Jira, Bitbucket an Concourse CI deployed on Kubernetes

Lead / Full Stack Engineer	**IBM**	**Nov 2017 - Feb 2019**

- Lead: successfully lead an on-premise migration of 4 new (12-factor) microservices to AWS
- Lead: promoted to Mobile Lead in Feb 2018; supervised 7 – 10 Engineers, conducted over 20 interviews
- iOS: proposed and implemented a new software architecture, introducing; MVVM and RxSwift
- iOS: refactored the end to end test suite, improving readability with less Cucumber definitions
- Backend: introduced the repository pattern for our database infrastructure layer, reducing query complexity
- Backend: written a telemetry layer with StatsD for seamless (white-box) monitoring Datadog integration
- Introduced Docker multi stage builds, reducing final deployable image sizes by 70%

Full Stack Engineer / Owner	**Musso (Own Company)**	**Nov 2016 - Jan 2018**

- Designed, developed and released an iOS gym app

Software Engineer	**CWI**	**Feb 2016 - Oct 2017**

- Built a video streaming app, successfully showcasing Software Defined Networking (SDN) capabilities
- Wrote an API to support a custom SDN protocol, allowing for communication with a dedicated SDN router
- Increased network disruption tolerance with 50% by segmenting video uploads into smaller chunks

Co-Owner & Web Developer	**Deus Media**	**Nov 2014 – Sep 2016**

- Built websites in HTML, CSS, JavaScript

Hybrid Mobile Dev Intern / Lead	**Jogo Jogo**	**Sep 2014 – Jan 2016**

- Built mobile kids apps with Xamarin, Appcelerator Titanium and Embarcadero FireMonkey
- Promoted to Project Lead after 4 months, supervising remote and on-site engineers and designers

EDUCATION

Netherlands, NH	**University of Amsterdam**	**Sep 2011 – July 2016**

- M.S.C. in Computer and Information Science (2016)
- B.A. in Information Studies & Digital Media with Minor in Computer Science (2014)

CERTIFICATIONS, PERSONAL PROJECTS AND AWARDS

- Notes (2019): Cloud-Native Microservices demo app in TypeScript, Swift, K8S, MongoDB and ElasticSearch
- Kubernetes Webhook (2019): a Helm chart based webhook listener for plug and play CI/CD
- Heart Disease Prediction (2018): Python / Jupyter machine learning project for predicting heart disease
- Certified Scrum Master PS-1 (2018)

LANGUAGES AND TECHNOLOGIES

- Languages: TypeScript, Javascript, Swift, Objective-C, Python, Go
- Infrastructure: K8s, Terraform, Docker, Helm, Skaffold, IBMCloud, AWS, GoogleCloud, Splunk, Datadog
- CI/CD: Gitlab CI, Tekton Pipelines, Concourse CI, Jenkins
- Frontend: iOS, ReactJS
- Backend: Hyperledger Fabric Blockchain, HapiJS, ExressJS, NestJS, Gin-Gonic
- Database: MongoDB, Postgres, CouchDB, LevelDB, Redis, ElasticSearch