

EMPLOYMENT

DevOps / Solutions Engineer IBM Mar 2019 - Now

Project Vinturas – Blockchain network for the vehicle supply chain, IBM's 4th biggest blockchain project

- Designed and implemented the infrastructure architecture with 2 successfully deployed international MVP's
- Created a Terraform Kubernetes based blockchain blueprint, reducing cost and human error for new projects
- 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

- Designed a Kubernetes based CI/CD pipeline and boilerplate, successfully integrating automation to the team
- Kubernetes on-premise production hardening support, preparing for the first release

Toolchain Project – IBM's internal DevOps boilerplate for new projects

- Created custom helm charts and CI pipelines for Jira, Bitbucket and 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
- Backend: introduced the repository pattern for our database infrastructure layer, reducing query complexity
- Backend: written a StatsD (white-box) telemetry layer for a seamless Datadog monitoring 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 fitness 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 data chunks

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

- Built websites in HTML, CSS, JavaScript for local clients

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

- Built hybrid mobile apps with Xamarin and Appcelerator Titanium
- Promoted to Project Lead after 4 months; supervised 10 – 12 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

- IBM Outstanding Technical Achievement Award (2019): given annually for innovative technical contributions
- IBM Certifications and badges (2019) - <https://www.youracclaim.com/users/fabijan-bajo/badges>
- Notes (2019): cloud-native microservices app in TypeScript, iOS, K8S, MongoDB and Elasticsearch - [github](https://github.com)
- Kubernetes Webhook (2019): Helm based webhook listener for a quick and light CI/CD setup - [github](https://github.com)
- Portfolio website (2019): ReactJS, Docker and Kubernetes based one pager - <https://portfolio.fabijanbajo.com>
- Heart Disease Prediction (2018): Python based machine learning project with 85% accuracy - [github](https://github.com)
- IBM Excellence Award (2018): given quarterly to top performers on a given project based on client reviews

LANGUAGES AND TECHNOLOGIES

- Languages: TypeScript, Javascript, Swift, Objective-C, Python, Go
- Infra: Kubernetes, Terraform, Docker, Helm, Skaffold, IBMCloud, AWS, GCP, Splunk, Datadog, Sysdig, LogDNA
- CI/CD: Gitlab CI, Tekton Pipelines, Concourse CI, Jenkins
- Frontend: iOS, ReactJS, HTML, CSS
- Backend: Hyperledger Fabric Blockchain, NodeJS (HapiJS, ExpressJS, NestJS), Go Gin-Gonic
- Database: MongoDB, Postgres, CouchDB, LevelDB, Redis, Elasticsearch