Fabijan Bajo | bajo09@gmail.com github.com/bajocode | fabijanbajo.com

EXPERIENCE

Cloud Engineer / Tech Lead **IBM** **Typescript, Python, Bash** **Mar 2021 - Present**

- Lead of a 4-person dev-ops initiative, focussing on designing, building, and optimizing systems
- Proposed reliability & maintainability optimizations through system analysis and drove the implementation
- Automated infrastructure provisioning of a global minerals blockchain network with Terraform and Ansible
- Reduced cloud costs by 10% through improved container resource allocations and blackbox monitoring
- Increased productivity by writing a 12-factor project agnostic micro-service boilerplate in Typescript

Lead Engineer **IBM** **Typescript, Python, Bash** **Mar 2019 - Feb 2021**

- Led 6-person team to build a vehicle supply chain blockchain and led initial launch and implementation
- Designed (cloud) infrastructure and CI/CD architecture using Kubernetes, Helm, Terraform, Concourse
- Improved reliability by designing and writing a database replicator with checkpointing
- Improved scalability by writing a dedicated query service, segregating reads from writes
- Improved reliability by automating backup and restore with Kubernetes cron jobs and bash scripts
- Increased deployment frequency fourfold by automating onboarding, load testing and versioning

Software Engineer **IBM** **Swift, Obj-C, Typescript** **Nov 2017 - Feb 2019**

- Led cloud migration to AWS, revamping 4 on-premise VM-based workloads for Kubernetes
- Proposed and designed an IOS architecture based on reactive (Rx) MVVM and drove the implementation
- Reduced overall iOS lead time by automating code signing and app store releases through Fastlane
- Reduced query response time while decreasing database load by writing a Redis caching layer
- Improved operability by writing a StatsD (white-box) domain agnostic telemetry layer
- Reduced production container memory footprint by 75% by utilizing Docker multi-stage builds

Founder / Developer **Musso** **Swift, Obj-C, Javascript** **Oct 2016 - Dec 2017**

- Designed, developed and released an iOS fitness tracking app with in-app purchases
- https://appadvice.com/app/musso-gym-log-body-recovery-and-workout-builder/1216168371

Developer Intern **CWI** **Obj-C, Python** **Feb 2016 - Feb 2017**

- Developed an iOS video sharing app, demonstrating client-side benefits of software defined networking in low bandwidth connection areas
- Increased network disruption tolerance by segmenting video uploads into smaller data chunks

Dev & UI Design Intern / Lead **JogoJogo** **HTML, Javascript, CSS** **May 2014 - Jan 2016**

- Built hybrid mobile kids apps with Appcelerator Titanium
- Promoted to Project Lead after 4 months, supervised an 8-person remote and on-site project team

AWARDS

- IBM Outstanding Tech Achievement Award (2019): awarded annually for most innovative contributions
- IBM Client Excellence Award (2018): awarded quarterly to top performers based on client reviews
- Selected for IBM's 12-month top talent program (2019) based on leadership potential and performance

CERTIFICATIONS

- RedHat Certified Systems Admin (RHCSA)
- Certified Kubernetes Administrator (CKA)
- Professional Scrum Master (PSM1)

PUBLICATIONS

- Co-author: “Mobile Instant Video Sharing: Does More Information Help?” *ACM Multimedia*
- Blog: https://fabijan-bajo.medium.com

PROJECTS

- Webshop (2021): polyglot micro-service e-commerce project with a reactive iOS frontend and Kubernetes based infrastructure. Services written in Go, Java, Typescript and Swift
- Heart Disease Prediction (2018): machine learning project in Python (85% accuracy)

SKILLS

- Infrastructure: Kubernetes, Docker, Terraform, Helm, UNIX, IBMCloud, AWS (basics)
- Language: Python, Typescript, Swift, ObjC, Bash
- Industry: government, vehicles, mining, e-com
- Technology: cloud, blockchain, mobile, web
- Personal: leadership, dependable, conscientious

EDUCATION

- University of Amsterdam, M.S.C. in Computer & Information Science (2016)
- University of Amsterdam, B.A. in Information Studies with Minor in Computer Science (2014)