Fabijan Bajo   github.com/bajocode | fabijanbajo.com
bajo09@gmail.com   Typescript, Python, Swift, Obj-C, Bash, Yaml

EXPERIENCE

Technical Lead, IBM *[Typescript, Python, GO, Bash, Yaml]*   **February 2019 - Present**
- Lead a team of 6 engineers, successfully moved a blockchain project from idea to production release
- Designed the infrastructure architecture of a multi-zone (Kubernetes based) distributed blockchain
- Reduced query response time by 80% by writing a database replicator and "checkpointer"
- Improved scalability by writing a dedicated query service, segregating reads from writes
- Increased cross-project startup productivity by writing infrastructure and micro-service blueprints
- Increased fault-tolerance and reliability by designing and implementing automated backup and restore
- Improved container resource allocations and overall operational efficiency by integrating monitoring and logging on IBMCloud
- Increased deployment frequency fourfold by designing and implementing CI/CD pipelines with automated (non)-functional tests, versioning and Kubernetes Helm deployments in Concourse CI

Software Engineer, IBM *[Typescript, Swift, Objective-C, Bash, Yaml]*   **Nov 2017 - February 2019**
- Lead a cloud migration to AWS, optimizing 4 on-premise VM-based deployments for Kubernetes
- Improved testability and code evolvability by proposing and leading the implementation of a reactive MVVM based iOS architecture
- Reduced query response time by 40% while decreasing database load by writing a Redis caching layer
- Improved operability by writing a StatsD (white-box) telemetry layer for cross-service monitoring
- Reduced production memory footprint by 75% by utilizing Docker multi-stage builds

Software Engineer, CWI *[Python, Objective-C]*   **Feb 2016 - November 2017**
- Developed a video streaming iOS app in Objective-C, demonstrating client-side benefits of Software Defined Networking (SDN) and it's open flow protocol against traffic asymmetry
- Wrote a Python API for consuming OpenFlow packets and streaming to a (Raspberry Pi) switch
- Increased network disruption tolerance by 50% by segmenting video uploads into smaller data chunks

Developer Intern Mobile, Jogo Jogo *[Javascript, HTML, CSS]*   **June 2014 - January 2016**
- Built hybrid mobile kids apps with Appceletator Titanium, HTML, Javascript and CSS
- Promoted to Project Lead after 4 months, supervised a team of 10 (engineers and designers)

CERTIFICATIONS AND PROJECTS

- RHCSA (RedHat Certified Systems Administrator 2020): security, networking, troubleshooting in RHEL
- CKA (Certified Kubernetes Administrator 2020): provisioning, scheduling, networking and troubleshooting
- PSM1 certified (Professional Scrum Master 2019)
- IBM internal certifications (2018-2020): https://www.youracclaim.com/users/fabijan-bajo/badges
- Heart Disease Prediction (individual, 2018): data science applied to heart disease risk prediction with 85% accuracy. Data wrangling, analysis, modeling and evaluation in Python
- iOS fitness tracking app (Individual, 2016 - 2018): designed, developed and released a fitness tracking app. https://appadvice.com/app/musso-gym-log-body-recovery-and-workout-builder/1216168371

AWARDS

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

TECHNOLOGIES

- Infra & Cloud: Kubernetes, Docker, Terraform, Helm, IBMCloud, AWS, RHEL, Ubuntu
- Telemetry: Sysdig, LogDNA, Prometheus, Grafana, Datadog, Splunk
- CI/CD: Concourse CI, Gitlab CI, Jenkins, Tekton Pipelines
- Frontend: iOS, ReactJS, HTML, CSS
- Backend: NodeJS, Hyperledger Fabric Blockchain, Python Flask, GO (basics), Java (basics)
- Database: Postgres, MongoDB, CouchDB, Redis, ElasticSearch

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)