MORGAN **WATTIEZ**

Passionate developer

Proud dad, persistent problem solver, adaptable team player, enthusiastic creative mind. Passionate about sharing knowledge, quality, continuous improvement, simplicity, automation, and learning. Enhancing collaboration, optimizing the user experience, and boosting efficiency.

FOCUSED ON

Automation & efficiency
Collaboration & knowledge sharing
(teaching, mentoring, documentation)
Continuous improvement, DevOps
Quality, clean code, **good practices**, **simplicity**
Problem solving (root cause analysis, 5 Whys, etc.)
Reuse and simplify over reinvent the wheel.

EDUCATION & LANGUAGES

MASTER'S DEGREE, COMPUTER SCIENCE
University of Namur (2012 -2015) : Master thesis in the field of artificial intelligence with emphasis on biological networks
Nomination for the Jean Fichefet Prize 2015 for the best Master Thesis in Computer Science

BACHELOR'S DEGREE, COMPUTER SCIENCE
HEB ESI (2006 -2009) : Information Management Systems

ENGLISH : Professional working proficiency
FRENCH : Native
DUTCH : Limited working proficiency

SKILLS HONED IN-DEPENDENTLY

Git, **Go, Jenkins, Docker,** Ansible, Shell Scripting, AWS, Game development, **Java**, JavaScript, **TypeScript**, Rust, **Clean code** (KISS, YAGNI, DRY, ...), Testing (TDD, BDD)**, Linux** and taught PyGame and Python at CoderDojo.
Strong interest in: open source, automation, **CI/CD**, SRE, Rust, ML/AI, VueJS, ReactJS, Kotlin, Haskell, Elixir, Erlang, Clojure, General functional programming.

- 30/08/1986, Belgian
- Brussels (1070), BE
- @ morgan@zoemp.be
- +32 477.48.37.49
- MorganGeek
- https://morgangeek.be/blog

EXPERIENCE

MYWAYPRO (2022-PRESENT) - Senior Full Stack Developer / DevOps Engineer
Brussels (Zaventem), 80% remote.
Architecture and development on a greenfield project in the automotive sector.
With: **TypeScript**, NestJS, **GitLab** (OnPrem) + gitlab-ci-local, **Google Cloud** Run/AE/SQL..., Microsoft **Azure** (AAD, VMs...), Vue 2/3, DDD/CQRS/ES, Jest, Prisma, GraphQL, Insomnia, Whimsical, Mermaid, Grafana, Jira, HubSpot, Hotjar, Ybug, Sentry, OpenTelemetry, ... (non exhaustive list).
- Maintained and improved the application's code quality, delivery pipeline, security, monitoring, observability, testability and scalability.
- Focused on business priorities while giving the team buy-in regarding codebase quality, prioritizing long-term productivity.
- Promoted DevOps principles to both the business side and the development team.
- Continuous improvements in respect of DevOps best practices.

AAQUA (2021-2022) - Senior Cloud Infrastructure Engineer.
Antwerp, fully remote.
Providing engineers with a solid, scalable, reliable, easy to use, infrastructure platform that enable them to deliver the best solutions from start to finish for end users with minimal effort.
With: Kafka, Confluent Cloud/Platform, Kubernetes, Argo CD, Helm, Kustomize, **CircleCI**, Atlassian Cloud, Terraform Cloud, **AWS**, Datadog, SonarCloud, Okta, Artifactory/JFrog, Ansible, ...
- Challenged management to be more transparent on the key decisions that had a direct impact on the company reputation and culture.
- Focused on quality improvement, continuous integration, documentation.

COLLIBRA (2019-2021) - DevOps / Tooling / CICD / Infrastructure Engineer.
Brussels, on-site (2019-2020), then fully remote (2020-2021).
Improved automation, developer experience, and CICD ecosystem stability and scalability.
With: **Jenkins**, **AWS**, Ansible, Terraform/Terragrunt, Docker, GitHub Enterprise, Bitbucket, Confluence, Jira, SonarQube, Nexus, Ontrack, Grafana, Okta, SignalFx, Datadog, Kubernetes, EKS, JFrog Artifactory/Xray, StatusCake, Gradle Enterprise, Groovy, ... (non exhaustive list).
- Implemented infrastructure-as-code and GitOps to automate deployment and maintenance of services.
- Evangelized self-service and participated in continuous improvement initiatives.
- Increased teams' productivity and reduced time-to-market.
- Challenged popular opinions and decisions for the company's best interests.
- Mentor new and less experienced team members.
- Create novel approaches to architecting new infrastructure solutions that Collibra needs to move forward, going for SaaS or open-source solutions first.

ISABEL GROUP (2016-2019) - Software Delivery Engineer / DevOps & Application Tooling Engineer. ***Brussels, on-site.***
Collaborated with DevOps & Cloud Enablement Teams. Support for Dev/Ops tools integration, enabled self-service for CI/CD and OpenShift clusters.
With: Gitlab, Golang, Java, JavaScript, Python, Powershell, Ansible (+AWX), Linux Shell Scripting, Vagrant, Virtualbox, Docker, OpenShift, OpenStack, Terraform, Whitesource, Bitbucket server, Groovy, Jenkins (Blue Ocean, Declarative Pipelines, Shared Library, APIs ...), Ontrack, Nexus, Git, Bitbucket, JIRA (+Scripting with APIs), Confluence, HipChat (+Scripting with APIs), Prometheus, Splunk (+APIs), ServiceNow (+APIs), PostgreSQL, Maven, XCode, codesign, Apache HTTP Server, Linux & Windows platforms, AD (+APIs), ... (non exhaustive list).
- Implemented CI/CD and configuration management using Ansible and config-as-code.
- Evangelized Jenkins shared library + declarative pipelines.
- Set up Jenkins jobs, improved existing jobs, and upgraded slaves to containers while transitioning jobs to pipelines.
- Participated in continuous improvement initiatives to increase efficiency and quality.
- Introduced automated testing and increased overall quality of applications.
- Evangelized self-service and promoted a culture of collaboration, knowledge sharing, continuous learning and improvement.

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WORK ENVIRONMENT

People : talents, gurus, entrepreneurs, positive and committed minds

Interesting topics, challenges, strong values, ethics, meaningful purpose, opportunity to make an impact.

Culture of **learning, training, teamwork, Trust** & knowledge sharing

Quality at all levels (DNA!)

Autonomy, support and **freedom** to try ideas, learn, improve things **proactively** and run **experiments**

Human-size and centered organization and environment allowing to be involved with customers & business

Good coffee or healthy food / drinks :)

Diverse and Inclusive

Dislike : silos, forced decisions, politics, status quo, shortcuts to quality, chaos, heroes cult, ...

Value : innovation, tech for good, making a positive / social impact, strong team culture, in-person collaboration.

JOB SEARCH FILTERS

Freelance / Long term contract.

As : DevOps Engineer, Full Stack Engineer, Technical Team Lead, Software/Game Developer/Programmer.

Learning & practicing new skills, related to Programming, Software Development, Machine learning, Game Development, Teaching, Quality/Continuous Improvement, DevOps, CI/CD, SRE, ML/AI.

INTERESTS

Board games, reading, writing, coaching, teaching, music, blogging, parenting, cooking, podcasts, beer & specialty coffee and espresso, gamification, climbing, walking, nature, culture, history, privacy, humanism, web0 (decentralized web), personal development, ML/AI, neuroscience, resilience, psychology, programming / hacking, game development, drawing, pixel / retro art, open source, slow programming, urban mobility, healthy food, minimalism, green IT, ...

EXPERIENCE

WEMANITY (2016, 7 MONTHS) - Software Craftsman
Assigned as Integrator for BNP Paribas Fortis Brussels. *Brussels, on-site.*
With: Java, Javascript (Node.js, JQuery, Backbone.JS, Cucumber.js), IntelliJ, Android, Gradle, iOS & XCode, Appium, Crashlytics, Ruby (Cucumber), Gitlab, Git, Jenkins (with pipeline), Fastlane, Docker, Ansible, MongoDB, ... (non exhaustive list).

- Served as the integrator and technical coordinator between different teams and departments for a new project.
- Despite challenges such as bureaucracy and resistance, I worked on CI, automation, code review, documentation, and integration.
- Supported an agile development team in tackling dependencies, documenting solutions, and ensuring quality through regular code reviews, pair programming, and automated workflows.
- Created a knowledge base for integrators regarding the variety of subjects and complex processes for which they were responsible.
- Worked closely with DevOps and integration teams to ease collaboration and information exchange between teams.

TOURING (2010-2016) - Full Stack Software Developer. *Brussels, on-site*.
With : Java, C#, PHP, Elasticsearch, C, Assembly language (disassembly, reverse engineering), JUnit, JBehave, JavaScript, HTML/CSS, Sencha ExtJS, AngularJS, Google Maps API, jQuery, SQL, PL/SQL, Wireshark, Ant, Hudson / Jenkins, Jira, Confluence, Enterprise Architect, ... (non exhaustive list).

- Collaborated with a team to develop and support several applications in various technologies, including a new call intake application with a complex flexible layout. This application runs 24/7/365, supports up to 150 users, and integrates legacy apps, partner systems, Google Maps visualization, and telephony.
- Contributed to the development of a new search entitlement solution based on Java, Elasticsearch, and AngularJS, which improved search functionality for users.
- Played a key role in creating a decision engine for guided diagnosis in the context of car assistance, which improved the accuracy and efficiency of diagnoses.
- In an emergency, successfully reverse-engineered a critical app, recovering the entire original source code through diligent disassembly, passion, and patience.
- Led efforts to increase the practice of continuous automated testing, code static analysis, and documentation, which improved the overall quality of apps.
- Introduced automated tests and increased overall quality of applications.

ROYAL METEOROLOGICAL INSTITUTE (2009) - Internship (4 months), Brussels, on-site.
With: PHP (using JpGraph, SimpleXML, phpThumb), JavaScript, HTML/CSS, XML/XSD, XSLT, MySQL, Oracle, AltovaXML, Apache Tomcat, SVN.

- Refactored the backend of existing applications to increase modularity, configurability and security.
- Designed new meteorological graphs to display data with increased precision and modern visuals.
- Improved the performance of code, resulting in a 30x speed improvement for collecting meteo data and generating corresponding graphs.