

# Joel Milligan | Software Engineer

Amsterdam

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Engineer with Frontend and Backend development experience focused on writing clean, easily-readable, and tested code. Passionate about the environment, green energy, and technology, currently obtaining my Master's in Green Software. Up to 3 references upon request.

## Relevant Work Experience

- GUTS Tickets/Get Protocol** **Amsterdam, NL**  
*Backend Engineer* *2022–Present*  
Working on backend Golang (fasthttp) and Python (Django/Flask) webservices together with RabbitMQ and PostgreSQL database. Also working on a React Native app and was able to improve the check-in experience for users at events by reducing failing codes within the app by 10%.
- USAA** **San Antonio, TX - Remote**  
*Full-Stack Engineer* *2020–2022*  
Worked with NodeJS (Express) and Python (Django/Flask) backend webapplications for Slack and Box integrations. Helped to onboard USAA by migrating their 65,000 employees from Skype onto Slack.
- Datasite** **NYC**  
*Platform (Backend) Engineer* *2018–2020*  
Worked on NodeJS microservices, some of which used GraphQL along with RMQ and Mongo. Designed and coordinated the team through a Database schema redesign and migration that reduced load times from over 9000 milliseconds to under 1500 milliseconds for the most important queries.
- Universal Studios** **Orlando, FL**  
*Microservices Engineer* *2018*  
Worked in NodeJS microservices (Express). Later was placed as lead of a 5-person team with the goal of rewriting several microservices at the park to be eventually consistent instead of strongly consistent.
- Additional history available on request.

## Education

- VU/UvA Joint Master's Degree in Software Engineering and Green IT** **Amsterdam, NL**  
*Networked Systems Performance, Distributed Algorithms, Adaptive Software, ML/AI* *2022–Present*

## Technical Proficiencies

- Programming Languages:** Golang, NodeJS/Typescript, Python.
- Tools and Frameworks:** Git, Gitflow, Gitlab/Github CI, Kubernetes, PostgreSQL, MongoDB, Docker, NPM/Yarn, React, React Native.
- Interpersonal:** Communication within and across teams, comfortable presenter, proactive.