Renzo **Poddighe**

SOFTWARE ENGINEER

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Skills

Back-end	ASP.NET MVC/Web API, Express, Quarkus, JPA/Hibernate, REST API, Apache Kafka
Front-end	HTML, CSS/SASS, JavaScript, Angular, React, Vue
Programming	Java, C#, Node.js, SQL, Python
DevOps/Tools	Azure, AWS, Git, Docker, Kubernetes, Terraform
Languages	Dutch, English

Experience

Hyfen   *Amsterdam, the Netherlands*

CONTRACTOR   *Jan. 2024 - present*

- Designed and documented an Identity and Access Management service based on OAuth2.0 and OpenID Connect, which can be used for authenticating and authorizing users and applications to access the company's services. Notable features: multi-tenant, integration with external identity providers, support for OAuth2.0 Token Exchange.
- Reimplemented parts of the company cloud infrastructure as reusable Terraform modules.
- Worked on feature requests for mijnwaardeoverdracht.nl, most notably a feature that allows value transfers to be paused and resumed when pension funds transition (invaren) to the new pension system, as described in the Wet toekomst pensioenen.

APG   *Heerlen, the Netherlands*

CONTRACTOR   *Jan. 2023 - Dec. 2023*

- Co-designed and developed an in-house framework for Event-Driven applications using Apache Kafka as a backbone. The main goals of the framework are: providing end-to-end observability and auditability by design to the applications that use the framework; and providing reusable library components to facilitate and speed up the development of Event-Driven applications.
- Rewrote an existing prototype for importing data from the Basisregistratie Personen into the APG system. The main goals of the rewrite are: improving robustness and scalability of the prototype so as to make it ready for production; having a first use-case that is implemented in the aforementioned framework and is used to help develop it; and testing the framework against a real-world application and providing an example of how it should be used.

Hyfen   *Amsterdam, the Netherlands*

CONTRACTOR   *Jan. 2022 - Dec. 2022*

- Co-designed and developed the backend for version 2.0 of mijnwaardeoverdracht.nl, a platform that facilitates automated value transfer between pension funds. The new version consists of a complete rewrite of the current version in a more robust and performant technology stack, as well as a number of new features such as: a portal where the user can track the progress of their requested value transfers; a new and improved admin portal for the pension providers; support for manual entry/correction of data at each step of the process.

SDB Groep   *The Hague, the Netherlands*

LEAD DEVELOPER   *Apr. 2018 - Dec. 2021*

- Designed and developed applications and REST APIs for the Dutch healthcare market.
- Helped design and implement a unified Single Sign-on service across a wide range of products.
- Designed and developed a REST API for exposing and exchanging health care data.

Accenture   *Heerlen, the Netherlands*

APPLICATION DEVELOPMENT ANALYST   *Mar. 2017 - Feb. 2018*

- Designed and developed blockchain-based applications and proofs-of-concept for a variety of clients.
- Organized internal and external workshops and trainings about blockchain development.

SoapBox   *Maastricht, the Netherlands*

WEB DEVELOPER   *Feb. 2015 - Oct. 2015*

- Developed interactive world maps and data visualizations for the web.

Ekimetrics   *London, United Kingdom*

DATA SCIENCE INTERN   *Jul. 2014 - Jan. 2015*

- Researched state-of-the-art applications of topic modeling to social media data.
- Developed an in-house web platform for data visualization.

Education

Maastricht University
M.Sc. in Artificial Intelligence

Maastricht, the Netherlands
Sep. 2013 - Aug. 2015

- Thesis: 'Topic models for short text data'.
- Led to a publication in Computational Linguistics in the Netherlands (CLIN27) [link]
- GPA: 8.3/10 (cum laude)

Maastricht University
B.Sc. in Knowledge Engineering

Maastricht, the Netherlands
Sep. 2010 - Aug. 2013

- Thesis: 'Comparing FABRIK and neural networks to traditional methods in solving Inverse Kinematics' [link]
- Led to a publication at the 25th Belgium-Netherlands Artificial Intelligence Conference (BNAIC 2013) [link]
- GPA: 7.8/10

Certificates, Honors & Awards

2017   **Oracle Certified Associate**, Java SE 8 Programmer. Passed with a score of 93%

2013   **MaRBLe certificate**, Maastricht Research Based Learning program, a research centered honors program.

2011   **Top 3% award**, Awarded to students whose GPA's are in the top 3% of the respective academic year.