

# Joe Weel

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## Profile

Creative problem solver, pragmatic leader. Takes ownership of projects, working proactively to develop lasting solutions.

A background in artificial intelligence fostered an intrinsic understanding of algorithms, and a fascination of automation and architecture. Six years of professional experience in software engineering and development come with a love of teaching and teamwork, and for laying the foundations for the whole team to thrive. The passion for programming only grows stronger, as does the drive to always learn more.

Highly motivated to expand skill set, take on new challenges, learn new tools, and become ever more resourceful.

## Experience

### Viventium

2019-present

Senior Software Engineer (2022-present)

New York, New York

Full ownership of the development and design of web services, REST APIs, Azure functions, third party integrations, code generation tools, and much more. In charge of mentoring and management of junior developers. Consistently taking projects from start to finish, including gathering and writing of specs, programming, overseeing of QA, and handling deployment.

- Built infrastructure to support webhooks, allowing clients to subscribe to events to receive updates without needing to constantly monitor for changes.
- Composed and programmed the business logic for transforming external file formats to an internal proprietary format, effectively eliminating the biggest time sink for clients when importing data. Supervised junior in building tools that implement it.
- Developed a sub/pub model using Redis in combination with SignalR to support live updates in company's main web app.

Software Engineer (2019-2021)

- Redesigned mass import of employee payrolls in multiple different formats with support for client-designed templates, then extended it to support full year (year-to-date) import, massively reducing the time to onboard new clients.
- Implemented integration with tax compliance software, facilitating company's expansion into all US states.
- Revamped data contract generation tools, cutting development time in half for the vast majority of projects.
- Designed framework for creating background services and built several to handle internal processes and to synchronize internal data with external partners.
- Refactored third party integrations for efficiency and minimal maintenance, enabling the company to rapidly integrate with many new partners, as the development work had become trivial.
- Maintained and created APIs for clients using technologies such as WCF, ASP.NET MVC, and Angular.

### 2AT

2017-2019

Software Developer, Team Leader

Utrecht, Netherlands

Full-stack development and design of .NET applications including ASP.NET MVC web apps, WCF webservices, DevOps tools and PowerShell/T-SQL scripts. Became team leader in second year by jumping at available opportunities.

- Spearheaded rewrite of data access layer, focusing on improving efficiency and reducing redundancy, saving hours of development time and leading to better performing and more secure apps.
- Took charge of architecture and planning of new MVC Core web application used nationwide. Built API implementation layer, created privilege-based authorization system, and wrote specs for teammates.
- Organized migration of codebase of SOAP services to REST APIs, resulting in consistent project architecture with better maintainability and scalability.
- Communicated directly with clients, including giving sprint demos, participating in project planning, and overseeing project deployment. Routinely praised for handling of unexpected issues.
- Configured build and release pipelines for continuous integration and delivery of web applications in Azure DevOps. Automation reduced deployment time in many cases by up to 95%.
- Led code review sessions and held demos on .NET features for team members and other colleagues.
- Trained and supported junior developers and onboarded new senior developers.

## Education

University of Amsterdam, Amsterdam, NL (2012-2016)

- BSc Artificial Intelligence (2013-2016)
- Programming Minor (2015-2016)