Matthijs **Kessener**

SOFTWARE ENGINEER

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Summary

I am an ambitious individual driven by a passion for solving problems in elegant and efficient ways. I possess a strong desire to continuously learn and expand my knowledge. I actively seek opportunities to apply my expertise across diverse domains. Whether it's software development, infrastructure management, or any other area, my enthusiasm for learning and my ability to adapt quickly enable me to excel in multifaceted environments.

Experience

ARC AIO   *Nijmegen*
FOUNDER   *Aug. 2020 - Jun. 2022*
- Retail checkout automation product, mainly for hype sneakers, I built alone from the ground up.
- Implemented protocols, concurrency models, APIs, and reverse-engineered websites to provide a smooth user experience.

Fleek Framework   *Remote*
SOFTWARE ENGINEER   *Oct. 2020 - Sep. 2021*
- Developed custom low-level implementations and features of networking protocols.
- Gave consultation on product security and helped expand upon core features.

Rootlabz   *Remote*
SOFTWARE ENGINEER   *Jun. 2020 - Oct. 2020*
- Maintaned and provisioned several core features.
- Reverse engineered anti-bot protections and developed a tailored API for accessing protected websites.

Goed Volk   *Nijmegen*
KITCHEN ASSISTANT   *Jan. 2020 - Mar. 2020*
- In 2020 BoMbaRie was taken over and renamed to Goed Volk, my tasks and responsibilities did not change.

BoMbaRie   *Nijmegen*
KITCHEN ASSISTANT   *Jan. 2019 - Jan. 2020*
- Washed dishes, but also aided in serving dishes, preparing burger buns with toppings and supervised the deep fryer.

Projects

Clearflare
CLOUDFLARE I'M UNDER ATTACK MODE (IUAM) & TURNSTILE SOLVE API
- Independently developed and managed a service for solving Cloudflare's IUAM and Turnstile challenges.
- Provisioned and maintained scalable k3s clusters.
- Designed and implemented backend systems, including database management, to handle high concurrent request volumes.
- Created a responsive frontend for seamless user interaction.
- Established CI/CD pipelines for streamlined development and deployment processes.

ArcProxy
4G PROXY FARM
- Independently built and managed a 4G proxy farm project from scratch.
- Implemented clever management systems to efficiently handle IP rotation and load balancing.
- Utilized homelab servers to host service.
- Established monitoring and logging systems to ensure optimal performance and troubleshoot issues.

Education

Radboud University   *Nijmegen*
B.S. IN MOLECULAR LIFE SCIENCES   *2021 - 2022*
- Learned how to operate in a lab environment.
- Expanded my knowledge about atomic orbitals, organic chemistry, thermodynamics and calculus.

Cambridge English   *Rijswijk*
CEFR LEVEL C2 PROFICIENCY   *Jun. 2019*

Stedelijk Gymnasium Nijmegen *Nijmegen*

Gymnasium *2015 - 2020*

- Natuur & Techniek / Natuur & Gezondheid
- Latin & History

Interests

I thrive on exploring new experiences and embracing challenges. Throughout my life, I have pursued various passions. Playing the piano since the age of five has instilled in me creativity, discipline, and a commitment to continuous improvement. Driven by a fascination with technology, I enjoy tinkering with appliances and electronics, ranging from fixing a vintage radio to using microcontrollers to explore the realm of automation. In addition to my technological endeavors, I find great satisfaction in restoring and working on old cars and engines. This passion combines my appreciation for mechanical intricacy with a fascination for the historical significance of automobiles. Sports have also played a vital role in my life. Whether it's football, tennis, or horse riding, these activities have shaped my character by developing qualities such as teamwork, agility, and a deep understanding of the human-animal bond. My diverse range of interests reflects an unwavering curiosity and a willingness to step outside my comfort zone. Each pursuit has provided me with invaluable skills in creativity, problem-solving, teamwork, and dedication.