

Kieren Davies

Polyglot Software Engineer

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Selected work experience

- Oct 2021–present **Staff Software Engineer**, *Zivver*, Amsterdam (remote)
- Enablement**
Designed, implemented, and documented systems and tools to improve developer experience, velocity, and software quality. Collaborated extensively with product development, infrastructure, and security teams. Guided teams to apply DevOps practices.
- Redesigned critical continuous integration pipelines.
 - Implemented automated code quality scanning.
- Backend**
Implemented product features, and ensured the security and scalability of backend services.
- Coached a junior engineer through designing, implementing, and deploying a new service which scales to thousands of update events per second.
 - Planned and oversaw an online migration of 100 million records of business-critical data from PostgreSQL to S3.
 - Designed, implemented, and verified a new authentication protocol in a single week to land large new customer.
 - Established and participated in an on-call rotation.
 - Established and organised weekly internal "tech talks".
 - Updated the technical interview process, created and refined a new assignment and evaluation guidelines, and ran interviewer training.
- Jan 2021–Oct 2021 **Engineering Manager**, *Zivver*, Amsterdam (remote)
Grew and managed a cross-functional team of 8 backend, frontend, and QA engineers.
- Jul 2020–Jan 2021 **Senior Software Engineer**, *Zivver*, Amsterdam (remote)
- Jan 2019–Feb 2020 **Senior Software Engineer**, *Independent View*, Amsterdam
- Jan 2017–Jan 2019 **Software Engineer**, *Booking.com*, Amsterdam
- Nov 2014–Aug 2015 **Software Engineer Intern**, *Amazon Web Services*, Cape Town
- Dec 2012–Feb 2013 **Software Engineer Intern**, *Facebook*, Menlo Park, CA

Education

- 2016 **B.Sc. (Hons.) Computer Science**, *University of Cape Town*
- 2011–2014 **B.Sc. Mathematics and Computer Science**, *University of Cape Town*

Publications

K. Davies, C. M. Keet, and A. Ławrynowicz, "More effective ontology authoring with test-driven development and the TDDonto2 tool," *International Journal on Artificial Intelligence Tools*, 2019.

Achievements

- 2014, 2017 **World finalist**, *ACM International Collegiate Programming Contest*