

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*