

Kieren Davies

Polyglot Software Engineer

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Education

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

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

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*