

Karolis Kazlauskis

Software Engineer

- 10A St Mary's st.
Wallingford
OX10 0EL
United Kingdom
- karolis@kazlauskis.com
- github.com/kazlauskis

Skills

- Javascript (ES6, Typescript), Python
- **Frontend:** React+Redux/Mobx, RxJS, Backbone+MarionetteJS
- **Backend:** NodeJS, REST API design, ElasticSearch, Kafka, PostgreSQL
- **DevOps :** Kubernetes, Docker, Ansible, CI/CD (Jenkins, Buildkite, TravisCI)
- **Web mapping:** Leaflet, D3, GeoJSON/TopoJSON
- NPM, Webpack, Grunt, Babel
- Agile methodologies (Scrum), Git, TDD (Karma+Mocha, Sauce Labs)

Summary of Professional Expertise

I am a passionate software engineer at Agrimetrics big data centre. I help the development of a complex semantic web based platform that offers linked data-as-a-service. Previously, developing mobile applications for collection and dissemination of environmental data and information in active research projects. Also, building Drupal sites and the technical infrastructure underpinning field data collection.

WORK EXPERIENCE

Agrimetrics

Software Engineer

Reading, England

Jul 2017 to date

- *Main activities:* Working across the full technology stack, which also includes improving processes (DevOps, Scrum) and implementing distributed infrastructure at scale (K8s, CD pipelines). Building complex interactive dashboards with visualisations. Developing and using REST API microservices. Working on ETLs in a streaming-based environment. Providing guidance and support to team members. Teamworking in various styles - pairing, mobbing, swarming and remote work.

Centre for Ecology and Hydrology

Mobile application developer (Research Associate)

Oxford, England

Feb 2014 – Jul 2017

- *Main activities:* Developing hybrid mobile and web applications and the supporting technical infrastructure. Leading the CEH mobile development strategy. Help running marketing campaigns. Working with quantitative ecologists and information technology specialists.

University of East Anglia

Short Course Presenter

Norwich, England

Jan 2016 - Feb 2016

- *Main activities:* Running Mobile Application Development short course for biology PhD students.

IamVIP Ltd

Python developer

Newcastle, England

Nov 2013 - Feb 2014

- *Main activities:* Writing automated Selenium web scripts for social data collection and management.

EDUCATION

Newcastle University

Newcastle, England

BEng Hons Electronics and Computer Engineering (1st Class Degree)

Oct 2008 – Jul 2011

- Winner of the *Ian E. Sutherland Prize* for outstanding course performance.
- *Dissertation* – Volatility based Technical Analysis Software (Java charting, Financial Analysis)
- *Second year team project* – inductive guidance buggy (C programming, hardware design)
- Programming: high-level (Java), low-level (Assembler, C), scripting (JavaScript, Linux)
- Web technologies (RDBs, JSP/Servlets, Web protocols)
- GUI & Game Graphics (Swing/AWT, OpenGL, 3D Games)
- Operating Systems design & Advanced algorithms, Mission critical & Real-time programming

Šilalės Steponas Darius and Stasys Girėnas Secondary School

Šilalė, Lithuania

Gained Secondary School Graduation Certificate (Exams: 90%, Grades: 96%)

Sept 1996 – Jul 2008

- A-levels in Mathematics, Physics, Programming, English

VOLUNTEERING EXPERIENCE

Newcastle University

Newcastle, England

Course Representative & Student Mentor

Oct 2010 - Jan 2011

- *Main activities:* Solving school specific student problems, negotiating in meetings, collating student opinions. Also, helping previous year students with the course material.

TECHNICAL AND OTHER SKILLS

Confident in using a range of office suite programs, including photo and video editing software (Affinity Designer, Photoshop, Gimp, Final Cut) as well as can work with Java, C, Shell Scripting, Python and have experience with Assembler, Pascal. Both MacOS/Linux and Windows user.

OTHER INFORMATION

- *Interests:* Open Source, Electronics, Hackathons, Nature and Travel
- *Languages:* Lithuanian (mother tongue), English (fluent), Russian (basic)
- **Development Activities**
 - Mar 2018 [Designing Microservices](#) by Sam Newman.
 - Oct 2017 Microsoft Power Bi workshop.
 - Sept 2017 [Test Driven Development workshop](#) by Jason Gorman.
 - Mar 2017 [Working Effectively with Legacy Code workshop](#) by Michael Feathers.
 - Mar 2017 [Paradigms Lost, Paradigms Regained training](#) by Kevlin Henney.
 - Mar 2016 [Introduction to AngularJS 2 workshop](#) by Gerard Sans.
 - Mar 2016 [Software Architecture Fundamentals training](#) by Neal Ford.
 - Mar 2015 [Simple sketches for diagramming your software architecture workshop](#) by Simon Brown.
 - Mar 2015 [Navigating Politics in Agile/Lean Teams workshop](#) by Katherine Kirk.
 - Jun 2014 Advanced PHP course.
- **Conferences**
 - Mar [2015, 2016, 2017, 2018] Qcon, London
 - May [2015, 2016, 2017] Apps World, London