

# Andrey Trebler

## Curriculum Vitæ

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in andreytrebler  
🌐 trebler



### Personal Information

Date of birth 05/04/1986  
Citizenship Norwegian, originally from Kazakhstan  
Marital status Married, father of 3

### Key Qualifications

Experienced \*nix-oriented developer with passion for backend, system design, and design of APIs; interest in development of rich reactive web applications; and fun of using advanced features of Kubernetes for modern containerized deployment

### Work Experience

01/2019–... **Senior Software Engineer / Tech Lead**, eDrilling, Stavanger, Norway

Team lead and software architect responsible for transition to cloud and design of modern APIs. Development and deployment of highly available and scalable Kubernetes-native systems based on microservices architecture. Design and implementation of HTTP REST(ful), SSE and WebSocket APIs. Development of reactive web applications

- Backend: TypeScript/node.js (ES2022), Go, Python, C++17/Qt
- Frontend: TypeScript/Vue.js (2/3), TypeScript/React
- DevOps: Docker, Kubernetes, Kustomize, Azure, AWS
- Technologies: Redis, RMQ, MongoDB, WebSockets, OpenAPI, Traefik, Keycloak, Azure AD

10/2016–01/2019 **Full Stack Developer**, timeanddate.com, Stavanger, Norway

Development of numerical algorithms, APIs, and software for astronomical simulations

- Backend development (in C99) of internal and external APIs providing astronomical data
- Frontend development (in JavaScript using D3 and three.js frameworks) of browser-based applications for astronomical visualization. ECMAScript 5, CSS/SASS and HTML5

03/2016–10/2016 **Software Engineer**, Steinsvik, Førresfjorden, R&D Department

Development of software for fish farming industry

- Development (frontend and backend) of cross-platform software for camera control and monitoring at fish farms in Qt/QML and C++11
- Support of existing software implemented in NI LabVIEW

12/2013–02/2016 **Simulator Systems Analyst**, MHWirth, Stavanger, Simulators Department

Development of real-time simulators for oil and gas industry

- Development of mathematical models for equipment simulation
- Control system software implementation
- HIL testing of control system software

10/2007–01/2008 **Software Test Engineer**, ABBYY, Moscow, Mobile software testing group

Gray-box testing of applications for Symbian and Windows Mobile mobile operating systems

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10/2008–05/2010

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## Frameworks

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Norwegian

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IT, science, reading, chess, astronomy, table tennis, squash, volleyball, badminton, cars

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- [1] **A. Trebler**, A. Stohl, and P. Seibert, “Identification of Greenhouse Gas Emission Sources Using Analytical Inverse Method,” in *Algorithmic Analysis of Unstable Problems: Abstracts of the International Conference Dedicated to the Memory of V. K. Ivanov*, Institute of Mathematics and Mechanics, Ural Branch of the Russian Academy of Sciences, Ekaterinburg, 2011, <http://aanz.imm.uran.ru/aanz/AANZ-2011-final.pdf>.
- [2] **Andrey Trebler**, On Cascades of Bifurcations Leading to Chaos in Several Nonlinear Dissipative Systems of ODEs, *Communications in Nonlinear Science and Numerical Simulation*, vol. 15, no. 10, pp. 2974–2986, 2010, doi: 10.1016/j.cnsns.2009.11.019.
- [3] **Andrey Trebler**, A Transition to Chaos in Rucklidge Model of Double Convection, in *CIMCA '08: Proceedings of the 2008 International Conference on Computational Intelligence for Modelling Control & Automation*, 2008, IEEE Computer Society, pp. 952–957, doi: 10.1109/CIMCA.2008.46.