KONSTANTIN MÖLLERS
Full-Stack Developer

Complete name
Konstantin Simon Maria Möllers

Birth
14/05/1992 in Cologne

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Zeeburgerdijk 523
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Citizenship
German

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Language skills

German
●●●●●

English
●●●●◐

Dutch
●●●●○

Spanish
●●○○○

French
●●○○○

Experience

Team Lead for an undisclosed asset class
Flow Traders BV, Amsterdam, Netherlands   Sept 2021 – today

- Lead a team of four C++, Java and Frontend Engineers distributed across Hong Kong and the Netherlands
- Full-stack development of Java and Node.js backends as well as an Electron frontend
- Developed a data streaming application based on Apache Kafka and Hazelcast
- Finalised a trading engine for deployment into production
- Improved performance in a low-latency system
- Established Scrum methodology with planning and retrospectives

Team Lead Frontend
Flow Traders BV, Amsterdam, Netherlands   Jun 2020 – Aug 2021

- Technologies: Node.js, Java, TypeScript, gRPC, Electron, React, Kubernetes, Keycloak and MariaDB
- Lead frontend team of five across four focus groups
- Responsible for frontend design of trading UI "Cockpit"
- Deployment automisation with Kubernetes and Helm in CI/CD pipeline
- Maven plugin to generate TypeScript bindings from gRPC
- Completed leadership and interview trainings

JavaScript Engineer
Flow Traders BV, Amsterdam, Netherlands   Apr 2019 – May 2020

- Technologies: Node.js, Java, TypeScript, GraphQL, REST, React and MariaDB
- Responsible for tools assisting backoffice teams
- Built up frontend development pipelines, processes and team
- Knowledge sharing and consulting of frontend technologies across departments

Full-Stack Developer
Baqend GmbH, Hamburg, Germany   Aug 2016 – Mar 2019

- Technologies: Jetty, Java, Node.js, TypeScript, REST, React, Redis and MongoDB
- DBaaS software frontend and backend enhancement
- Research work on databases and Web APIs
- Automatised webpage tests with Puppeteer
- Cluster management and Jenkins pipelines

Senior Developer
Sponsoo GmbH, Hamburg, Germany   Jul 2014 – Aug 2017

- Technologies: PHP, Symfony, TypeScript, React and Aurelia
- Company bootstrapping, fair exhibitions (e.g. CeBIT)
- Designed CMS and CRM backend following DDD and OO best practices

Student Assistant

University of Hamburg, Germany   Apr 2014 – Sept 2016

- Development on the Petri net software "RENEW"
- Support at "Girls' Day" 2016 for 3D computer graphics
- Exercise supervision for databases and information systems

Software Service Provider

Self-employed   Oct 2013 – Apr 2019

Implementation of various commercial web projects as a freelancer

Head of Development

RENEWA GmbH, Hamburg, Germany   Apr 2012 – Dec 2014

- Sole maintenance of a CRM with PHP and Zend Framework
- Integration of a frontend framework with Backbone.js
- PDF generation with LaTeX
- Independent system operation with Vagrant and Chef

Education

M.Sc. Computer Science

University of Hamburg, Germany   Oct 2014 – Sept 2017

Final Grade: 1.11 (A+), *passed with distinction*
Topics: software architecture, image and speech processing
Thesis: A Graphical Metamodelling Framework for the Web Applied on Backend-as-a-Service Systems *(in English)*

B.Sc. Computer Science

University of Hamburg, Germany   Oct 2011 – Sept 2014

Final Grade: 1.48 (A), *excellent*
Topics: deployment, theoretical computer science
Thesis: Development of a Petri Net Tool for the Dynamisation of Deployment Diagrams *(in German)*

Technologies

Backend
- Object-oriented development and Domain-Driven Design *(very good knowledge)*
- Functional development, Reactive development, Streams *(very good knowledge)*
- TypeScript: Node.js, Electron and Express *(very good knowledge)*
- Java: Swing, AWT, JHotDraw *(very good knowledge)*
- Java: Jetty, Spring Boot *(good knowledge)*
- Java: ANTLR4 grammars *(basic knowledge)*
- Haskell: Alex, Happy *(good knowledge)*
- Rust and WebAssembly *(good knowledge)*
- PHP: Symfony and Zend Framework *(very good knowledge)*

Frontend
- TypeScript with React, Aurelia or Angular 2+ *(very good knowledge)*
- Desktop applications with Electron *(very good knowledge)*
- ESBuild, Vite, Webpack, Gulp and Grunt *(very good knowledge)*
- HTML5, CSS3 and SCSS *(very good knowledge)*
- Markdown and LaTeX *(good knowledge)*

Databases
MariaDB, MySQL, MongoDB, Apache Kafka, Redis, Hazelcast

Operating Systems	Arch Linux, Debian Linux, macOS, Ubuntu, Windows
Deployment	- GitHub Actions - Bamboo Specs - Kubernetes, Helm and Terraform - Docker, Docker Compose, Docker Stack
Graphic Editing	Inkscape, GIMP, ImageMagick, Adobe Illustrator and Photoshop

Conference Talks

May 2019	**Creating High-Performance Web Apps with WebAssembly** DevDays Europe 2019, Multikino, Vilnius, Latvia Website - YouTube
Oct 2018	**Enhancing Data Processing in Browsers Using Streams** Code.Talks 2018, CinemaXX Dammtor, Hamburg, Germany Website – YouTube – Slides
Oct 2018	**Creating High-Performance Web Apps with WebAssembly** Code.Talks 2018, CinemaXX Dammtor, Hamburg, Germany Website – YouTube – Slides
Sept 2018	**Enhancing Data Processing in Browsers Using Streams** Solutions.Hamburg 2018, Kampnagel, Hamburg, Germany Website – Slides

Certificates

Feb 2021	Lepaya Leadership Training Graduate
Apr 2014	Test of English as a Foreign Language (TOEFL, 100/120 points)
May 2011	LCCI English for Business Certificate, Distinction Level
May 2011	Lern Coaching Certificate of the German Chamber of Industry and Commerce
Nov 2009	Diplôme d'Etudes en langue française (DELF), Level B1