

Johann Emrich



Personal

Name	Johann Emrich
Birthday	03/19/1987
Birthplace	Eutin
Nationality	German

Skills

Node.js	<div><div></div></div>
Go	<div><div></div></div>
Python	<div><div></div></div>
JavaScript / TypeScript	<div><div></div></div>
ReactJs	<div><div></div></div>
GatsbyJs	<div><div></div></div>
HTML5 / CSS3	<div><div></div></div>
Amazon Web Services	<div><div></div></div>
NoSQL DB	<div><div></div></div>
SQL DB	<div><div></div></div>

Education

10/2014 - 10/2017	Studies of media informatics - BA Beuth University of Applied Sciences, Berlin
08/2011 - 01/2014	Education photographer - Journeyman adP Photostudios GmbH, Hamburg
08/2010 - 01/2011	Training rescue paramedic ASB Hamburg, Hamburg
08/1997 - 08/2008	Abitur (equivalent to A-levels) Baltic Gesamtschule / Johanneum zu Lübeck, Lübeck

Certificates and qualifications

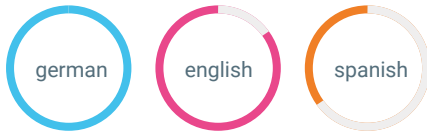
04/2020	Cloud Architecture with Google Cloud Specialization Coursera
03/2020 - 03/2022	Contentful Certified Professional Contentful
11/2019	Grundlagen des Onlinemarketings Google
11/2018	AWS Certified Solutions Architect - Associate Amazon Web Services
02/2018	Machine Learning Coursera / Andrew Ng

www.linkedin.com/in/johannroehlwww.github.com/jroehlwww.xing.com/profile/johann_roehl

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Languages



Tools, methods, frameworks

Agile, Amazon Web Services (AWS), Application Programming Interfaces, Bash, Bitbucket, Bootstrap, CSV, Chrome Developer Tools, CircleCi, Content Management Systems (CMS), Contentful, Continuous Integration and Continuous Delivery (CI/CD), Cybersecurity, Docker, Full-Stack Development, GIT, GSuite, Git, GitHub, Go, Google Cloud Platform (GCP), HTML/CSS, Holacracy, JIRA, JSON, JavaScript, Kanban, Kubernetes, Microsoft Visual Studio Code, MongoDB, MySQL, Netlify, Node.js, Objectives and Key Results (OKRs), PostgreSQL, ReactJs, Responsive Webdesign, SQL, SVG, Scrum, Security Awareness, Shell-Scripting, Slack, Softwaredevelopment, TypeScript, Web Services, XML, Yaml

About me

As a CTO and experienced full-stack developer, I bring 8+ years of expertise in backend and frontend development, as well as DevOps with a primary focus on AWS. I am an organized and driven team player, blending logic with creativity to deliver results. My advanced proficiency in Node.js, Go, JavaScript (TypeScript), HTML5, CSS3, ReactJs, and Gatsby.js enables me to develop innovative and scalable solutions for complex challenges. Let's connect and explore how I can contribute to your next project.

Work

- 03/2021 - today

Software developer & Web designer

Freelance | Full-time
Berlin, www.hinterland.software
- 06/2022 - today

Chief Technology Officer | HERMONE

Freelance | Part-time
Berlin, hermone.health
- 06/2019 - 03/2021

FullStack JS developer | Contentful GmbH

Employed | Full-time
Berlin, www.contentful.com
- 01/2018 - 06/2019

Software developer | MYCS GmbH

Employed | Full-time
Berlin, www.mycs.com
- 01/2017 - 01/2018

Working student | MYCS GmbH

Employed | Part-time
Berlin, www.mycs.com
- 08/2015 - 01/2018

Working student | GIGA

Employed | Part-time
Hamburg, www.giga-hamburg.de
- 04/2014 - 03/2021

Software developer & Web designer

Freelance | Part-time
Berlin, www.hinterland.software
- 02/2014 - 04/2014

Photographer | adP Photostudios GmbH

Employed | Full-time
Hamburg, www.adp-photostudios.de



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www.github.com/jroehl



www.xing.com/profile/johann_roehl

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Selected projects - Freelance

CMS Migration Project (approx. 1.5 years)

AWS, Contentful, GitHub Actions, Node.js, ReactJs, Terraform, TypeScript

Migration of a legacy CMS to Contentful for a large news company. This includes content migration, creating custom frontend apps in ReactJs and TypeScript, backend apps in Node.js and TypeScript, AWS Terraform for infrastructure, and leveraging GitHub Actions for CI/CD.

Interim Chief Technology Officer (approx. 1.5 years - ongoing)

AWS API Gateway, AWS AppSync, AWS CloudFront, AWS DynamoDB, AWS ECS, AWS Fargate, AWS Lambda, AWS S3, Architecture, CDK, Contentful, Docker, GitHub Actions, GraphQL, Project Management, React Native, Serverless

Served as Interim CTO for a Femtech company, where I was responsible for planning and implementing AWS serverless infrastructure, developing a React Native app, providing strategic consulting, and managing the project.

Website for Research Institute (approx. 8 months - ongoing)

AWS API Gateway, AWS CloudFront, AWS ECS, AWS Fargate, AWS Lambda, Docker, GatsbyJs, NodeJs, Pure API, ReactJs, Serverless, TypeScript

Conception and development of a fail-safe website linked with a research information system. Data is automatically fed into a CMS, manually enriched, and displayed on the website, utilizing technologies such as GatsbyJs, ReactJs, TypeScript, AWS services, and Docker.

Twitter Project (approx. 1 year)

AngularJs, GraphQL, MongoDB, Python, TwitterAPI

Development of tools for the collection of Tweets from Twitter APIs, and processing of these data for network analyses for a social science research project on the linkages of Arab Islamists on Twitter.



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Selected projects - Employed

Migration of Legacy AngularJS to ReactJS (approx. 1 year)

Angular, ReactJs, TypeScript

Migration of a substantial legacy AngularJS codebase to ReactJS, utilizing TypeScript and modern development practices to enhance maintainability and performance.

CiCd process Netsuite (approx. 6 months)

Bash, CircleCi, Go, Netsuite, NodeJs, SuiteTalk

Conception and implementation of a CiCd workflow to allow adopting modern development practices in Netsuite. Implementation of an open source cli for useful file handling features in Netsuite.

ECS, EKS setup and integration (approx. 3 months)

AWS, Bash, Docker, Kubernetes

Setup of a cloud container orchestration service (EKS and ECS) and migration of existing APIs.

Warehouse API (approx. 8 months)

AWS, CircleCi, Go, IoT, NodeJs, PostgreSQL

Design and implementation of an API automating the label prints in the warehouse.



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