

Johann Emrich



Personal

Name Johann Emrich

Birthday 03/19/1987

Birthplace Eutin

Nationality German

Skills

Node.Js

Go

Python

JavaScript / TypeScript

ReactJs

GatsbyJs

HTML5 / CSS3

Amazon Web Services

NoSQL DB

SQL DB

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/johannroehl



www.github.com/jroehl

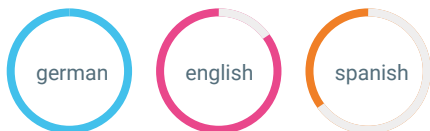


www.xing.com/profile/johann_roehl

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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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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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