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
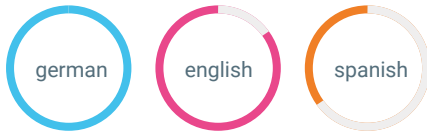
Certificates and qualifications

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

german · english · spanish

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.