Johann Emrich

Personal

Name	Johann Emrich (née Röhl)
Birthday	03/19/1987
Birthplace	Eutin
Nationality	German

Skills

NodeJs

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

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Languages

german english spanish
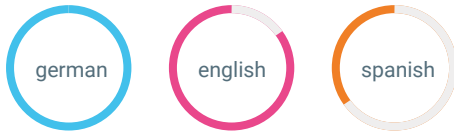
Tools, methods, frameworks

Agile, Amazon Web Services (AWS), Application Programming Interfaces, Bash, Bitbucket, Bootstrap, Chrome Developer Tools, CircleCi, Content Management Systems (CMS), Contentful, Continuous Integration and Continuous Delivery (CI/CD), CSV, Cybersecurity, Docker, Full-Stack Development, Git, GIT, GitHub, Go, Google Cloud Platform (GCP), GSuite, Holacracy, HTML/CSS, JavaScript, JIRA, JSON, Kanban, Kubernetes, Microsoft Visual Studio Code, MongoDB, MySQL, Netlify, NodeJs, Objectives and Key Results (OKRs), PostgreSQL, ReactJs, Responsive Webdesign, Scrum, Security Awareness, Shell-Scripting, Slack, Softwaredevelopment, SQL, SVG, 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 NodeJs, Go, JavaScript (TypeScript), HTML5, CSS3, React.js, 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 - Present
Software developer & Web designer
Freelance | Full-time
Berlin, www.hinterland.software

06/2022 - Present
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

Interim Chief Technology Officer

06/2022 - Present, Freelance | Part-time

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.

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

CMS Migration Project

2021 - 2023, Freelance | Full-time

Successfully migrated a prominent news organization from a legacy CMS to Contentful. The comprehensive project involved transferring vast content, developing custom frontend applications, and crafting backend solutions. Additionally, the project leveraged AWS Terraform for infrastructure management and integrated GitHub Actions to establish a streamlined CI/CD pipeline.

AWS, Contentful, GitHub Actions, NodeJs, ReactJs, Terraform, TypeScript

Website for Research Institute

06/2021 - 01/2022, Freelance | Full-time

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.

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

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Migration of Legacy AngularJS to ReactJS

03/2020 - 03/2021, Employed | Full-time

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

Angular, ReactJs, TypeScript

Automated Label Printing through API Design

01/2019 - 03/2019, Employed | Full-time

Designed and implemented a specialized API to enhance warehouse operations. This system streamlined the label printing process, integrating seamlessly with existing management systems. As a result, manual interventions were minimized and errors reduced in order processing.

AWS, CircleCi, Go, IoT, NodeJs, PostgreSQL

Cloud Container Orchestration Integration

03/2018 - 07/2018, Employed | Full-time

Established and integrated both EKS and ECS cloud container orchestration services, streamlining the migration of existing APIs. This initiative enhanced the scalability and reliability of our system infrastructure.

AWS, Bash, Docker, Kubernetes

CI/CD process NetSuite

01/2018 - 06/2018, Employed | Full-time

Conceived and successfully implemented a workflow for Netsuite, facilitating the adoption of modern development practices. Additionally, developed an open-source CLI, enhancing file handling capabilities within Netsuite.

Bash, CircleCi, Go, Netsuite, NodeJs, SuiteTalk

Twitter Data Collection for Network Analysis

01/2015 - 06/2015, Freelance | Part-time

For a social science study on Arab Islamists' connections on Twitter, developed tools to harness tweets using Twitter's Streaming and REST-APIs. Data was stored and subsequently processed to facilitate in-depth network analyses.

AngularJs, GraphQL, MongoDB, Python, TwitterAPI