Achim Rohn

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CV

About

Started creating his first websites in the late 90s and kept on developing that passion leading to a degree in Software Engineering (B.Sc.) in 2011 from Heilbronn University. Went through the evolution of web app development from server side rendered pages to the current frontend/backend separation. Always eager to learn new tools and methods, he can develop the full stack of a web app, from frontend to backend to a deployment on a server or serverless architecture.

Projects

08/2021 – 12/2022	**Full-Stack Energy Company**: Supporting the creation of backend services and UI to enable customers to order. Services for lead management. Backend TypeScript on AWS managed via the AWS CDK. Frontend Angular/React.
04/2021 – 05/2021	**Backend NodeJS/TypeScript**: Stripe payment integration into TypeScript backend project using payments stored in AWS DynamoDB triggered by AWS Lambda.
01/2021 – 03/2021	**Frontend Angular**: Creating a market place where startups and service providers can find each other. Connected to C# backend with data saved in PostgreSQL. Authentication via Keycloak.
08/2020 – 12/2020	**Full stack Angular/CouchDB/Keycloak**: A simple, fair, and dynamic way to track time, cash, and value contributions made to your bootstrapping project or startup company. Input of contributions should work offline. Data saved in the browser and synced with a CouchDB instance. Calculating the contributions table solely in the browser. Authentication via Keycloak.
04/2020 – 07/2020	**Frontend Vue.js**: Development of a marketplace prototype where profiles have different levels. UI was implemtend via a given Figma design.
01/2020 - 03/2020	**Angular app with AWS Serverless backend**: Goal is to find music events. Parsing of music event data and putting it into a DynamoDB. Data served in the frontend via AWS Amplify. Allowing everyone to add and edit events.

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09/2019 - 04/2020	**Full stack Angular/CouchDB**: Angular app for personal time and todo management. Allows you to create todos and track the time you needed for that todo. Tracked time can be seen in a calendar. Web app can work in offline mode.
04/2018 – 08/2019	**Full-Stack Java/Tomcat/OPC/SQL/Backend JavaScript**: Development of a simpler operating process for controlling a plastic printing machine. Import and display of the filling quantity of the plastic material from OPC-UA. Transfer of the consumed material to the existing ERP system. Recording of production events in our own system in a database and further visualizations.
05/2017 – 03/2018	**Frontend fabric.js**: Rewrite of a previous flash app as a standalone HTML5 page. The app displays training videos with overlayed graphics. The order of the videos and the positioning of the graphics is done via XML.
06/2016 – 04/2017	**Full-Stack Java/Tomcat/SQL/Backend JavaScript**: Development of a product configurator that allows customers to individually design their door based on existing elements.

Work experience

08/2020 – 10/2021	**Co-founder KAPSLY - "service for equity marketplace"** Planning the direction and business model of the company. Creating the landing page. Development of the frontend and parts of the backend of the marketplace. Keeping backend services running.
03/2010 - 08/2019	**Senior Software-Engineer Nuveon GmbH** Conception, implementation and deployment of new processes for customers. Development of new components for the internal web framework. Administration of internal Linux servers. Connecting to existing customer databases and ERP systems. Collecting data from manufacturing machines during production. Integrated new processes for the customers in a timely and intuitive manner.
08/2008 - 02/2010	**Working student i3G institute Heilbronn University** Development of custom extensions for JSPWiki to further develop the knowledge Wiki and to aid customer deployments

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Education

2008 - 2011	Software Engineering course at Heilbronn University, Bachelor of Science (B.Sc.) Final grade: 1,5
2006 - 2007	Computer science at Karlsruhe University (TU).
1997 - 2006	Abitur at Mönchsee-Gymnasium Heilbronn

Skills

- JavaScript, TypeScript
- Java platform (Tomcat, J2EE, J2ME)
- Web frontend (Angular, React, Vue.js, Bootstrap, jQuery)
- PouchDB/CouchDB NoSQL database
- Node.js, NestJS
- Relational databases
- Docker (creating images, docker-compose)
- Elasticsearch
- AWS, specifically Lambda and DynamoDB, CDK, SQS, Step Functions
- Linux system administration
- Automation technology (OPC UA, reading and setting machine signals)
- Android app development
- German: native speaker
- English: Proficient