Hi,
I'm Manuel Bichler

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Me in a Tweet

Alps-bred. Dived into Strategic Management & Tourism, ventured into Marketing & PR, then pivoted to a PhD in Innovation Management. Co-founded a mobile startup, learned from failure. Coding since '18 with a love for TypeScript, TailwindCSS, Next.js, GraphQL, Node.js, Prisma. Now exploring Rust, web3 and AI on a sabbatical. Interested in the future.

Some of my Experience

07/2020 - 12/2023

Cemm – Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna/Austria – *Senior Software Developer*

RESOLUTE.eu was a public-private partnership comprising 13 partners from academia and the pharmaceutical industry, where I had the privilege of working in a multidisciplinary team with biologists, bioinformaticians, data scientists, and technicians. During my tenure at CeMM, I successfully migrated our application from Vue to React with TypeScript and established a new backend using Node.js, Fastify.js, Mercurius, Nexus, and Prisma. I also integrated authentication via Azure Active Directory, streamlined the tech stack, and notably enhanced the developer experience. The website was segmented into two main sections: a public knowledge base offering comprehensive insights into solute carrier transporters and the overarching project, alongside a private application dedicated to organizing and showcasing the myriad of experiments conducted and managed by various stakeholders. This section extensively utilized Ag-grid for its intricate tables and Plotly.js for dynamic graph visualizations.

01/2020 - 06/2020

Learning sabbatical & freelancing, Vienna/Austria – *Focus on Full Stack Development*

Impfi served as an innovative online vaccination record, crafted using Next.js, TailwindCSS, TypeScript, GraphQL, and Hasura with a PostgreSQL database. It leveraged the power of Google Cloud Platform's CloudRun for hosting, alongside Vercel for seamless deployment through GitLab. Mplus, on the other hand, emerged as a dedicated mobile application designed exclusively for teachers to track student participation and appraisals. This cross-platform project was developed with React Native on Expo, ensuring a wide-reaching, mobile-only solution.

02/2019 - 12/2019

<u>All About Apps</u>, **Vienna**/**Austria** – *Junior Full Stack Web Developer*

Joined as a newbie. Learned working in small cross-functional teams using Scrum. Some of the tools I was using include: Jira, git, VSCode, TypeScript, Next.js, create-react-app, node.js, Hapi, PostgreSQL. Left as a mid-level web developer.

02/2016 - 10/2018

whooop, Remote and Innsbruck/**Austria** – *Cofounder*

Whooop was an events calendar with live video snippets. I was responsible for organization, recruiting, UX and funding. Basically everything programmers didn't like to do. Our mobile tech stack included Ionic, Node.js and MySQL. Participated in the startahead startup-program by Junge Wirtschaft. Successfully completed the <u>I.E.C.T Summer School</u> for Entrepreneurship at Forum Alpbach. Were part of the first patch of the <u>InnCubator.at</u>. Did a collaboration about a Recommender System with the Management Center Innsbruck/IT sponsored by the FFG. Started programming in January 2018.

11/2014 - 09/2015

X-Technology AG, Wollerau/**Switzerland** – *Marketing & PR Manager*

Started as a trainee. Had the opportunity to work in e-commerce, finance, human resources, product design, product development and marketing. Took the offer for "Manager in Marketing & PR". Helped to develop branding from product shootings to community events in the DACH countries to our presence at the ISPO and the Eurobike exhibitions.

Several temporary jobs

Different Employers – *ski instructor, waiter, forestry worker, linesman,...*

Started serving people at the age of 8 in our family-owned alpine restaurant. Joined the forestry business of my father. Worked as ocean kayaking guide in Vancouver/BC. Got drawn to linesman work. Worked as a ski instructor in Mayrhofen and Lech am Arlberg. Worked at the wettercafe.at in Innsbruck.

Education

03/2024 - present
Johannes Kepler University Linz – *MA Artificial Intelligence*

The Master's degree program focuses on modern, extremely successful AI methods in Deep Learning and Reinforcement Learning. My studies are particularly concentrated on the elective track of AI Techniques and Autonomous Systems. This specialization equips me with the knowledge and skills necessary to innovate in the fields of robotics, autonomous vehicles, and drones, emphasizing the practical application of AI in controlling and enhancing the autonomy of systems.

10/2015 - 09/2017
University of Innsbruck/Austria – *PhD in Innovation Management/paused*

Qualitative and quantitative research methods in the social and economic sciences. Development of adequate research designs. Focus on Innovation Management and Gamification. Did finish 80 percent of the compulsory courses. Didn't publish papers.

10/2008 - 10/2013
Management Center Innsbruck – *BA/MA in Strategic Management & Tourism*

Basically business studies with some tourism specific topics. Semester abroad in Indonesia and South Africa. Traineeship at The Austrian Federal Economic Chamber in Innsbruck.

01/2018 - present
Online courses Web Development – *FreeCodeCamp, Codeacademy, Udacity, Udemy,..*

Started programming full-time in January 2018 as an autodidact with the goal to become a Front-End Developer by the end of 2018 which almost happened. I started my first developer role in February 2019. Right now I am focusing on Rust and AI. Looking forward to speaking with you.