

Bijan Chokoufe Nejad

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Current role	Staff Engineer at Jimdo
Experience	Payments, eCommerce, B2B, API, Accounting
Technologies	React, AWS, TypeScript, Node.js, Postgres, Kotlin, Docker, Rust, REST API, Kubernetes, Scala, JIRA, Kafka, Cassandra, Ansible

Work experience

Staff Engineer, [Jimdo](#)

Nov 2021 – Present (1y 2m)

Payments · eCommerce

React AWS TypeScript Node.js Postgres Kotlin

- Lead the incident response to a major downtime of Jimdo, which provides websites, stores, and other services for small businesses. There were cascading failures across multiple services due to a massive DDOS attack, which required multiple ad-hoc performance fixes. As the attack continued, we signed and configured CloudFlare until late at night.
- Analyzed our usage of email service providers across all teams and departments and designed a new centralized email architecture that is independent of proprietary templates. Implemented the central piece based on MJML using a typed React DSL with reusable components, eliminating whole classes of bugs and vastly increasing developer and translator productivity.
- Onboarded, trained, and led a contractor team of 6 as Technical Lead. Planned and executed a technically challenging migration from a legacy system. Doubled average performance of domain suggestions in an important top-of-funnel step and delivered various new features.
- Implemented a PO security fix for support ticket creation with a new API and UI when the owning team was out of engineers. New API also reduced the average handling time of tickets by 20% by adding useful information.
- Restaffed the support tooling team with two engineers (involved in interviews and hiring decisions) and mentored them to become effective contributors.
- Joined the CRM team, which struggled with shipping quality. Established Sonarcloud for automated tests of coverage and paired with engineers to teach different test strategies and how to apply them. Increased coverage from 61 % to 77 % within six weeks and removed previously necessary bug-hunting days.
- One of the Backend Technical Advisory Group facilitators that define best practices for all backend engineers, support architectural decisions, and shape the technical vision.

Software Engineer, [Jimdo](#)

Nov 2020 – Oct 2021 (11m)

AWS Docker Kotlin Rust REST API

- Identified performance problems of the payment system and fixed them (batch API, SQL statement, missing DB index), reducing average response times from seconds to milliseconds and improving conversion by 10 %, which translates to one million EUR in additional billings per year
- Successfully handled a discount renewal production incident, which stopped affecting customers worth 30.000 EUR of billings a day. Prioritized and focused on fixing the broken data in the database with a junior engineer while two others improved the implementation such that these errors wouldn't occur again.

- Ensured the success of a newly founded payment services team of 4 through technical leadership: Established API standards, motivated the team by prioritizing achievable milestones, introduced new technologies aligned to the company vision, and paired with engineers who got stuck.
- One of the organizers of the Jimdo hackathon with over 100 participants, almost as many ideas, and about 20 teams doing demos

Technical Lead, enfore AG

Aug 2019 – Oct 2020 (1y 2m)

B2B · API · Accounting

AWS Docker Kubernetes Scala Rust JIRA

- Responsible for a high-quality and timely rollout of the REST API. Conducted sprint planning and retros within a team of four. Unblocked teammates by removing technical and communicational obstacles. Implemented over 250 HTTP routes across eight services within eight months and went live on Kubernetes.
- Supported external partners with quick fixes and roadmapping more complex requirements. This allowed a fast rollout across hundreds of BUTLERS stores across Germany.
- Part of the architecture group of three, which made the decisions on major architectural changes

Software Engineer, enfore AG

Sep 2018 – Jul 2019 (10m)

AWS Docker Scala Kafka

- Architected new GitLab CI+CD pipelines to deploy to Kubernetes and AWS using Terraform modules
- Co-authored an OpenAPI to HTTP4S server code generator, which allowed us to quickly and correctly implement OpenAPI specifications
- Prototyped and established a pure FP Scala tech stack for microservices
- Connected Debezium as a CDC solution to enable streaming services without touching the monolith. Also added an ETL pipeline to build reporting dashboards for support and operations.

Software Developer, eSailors Ltd. (Member of Zeal Group)

Aug 2017 – Aug 2018 (1y)

Docker Scala Kafka Postgres Cassandra Ansible

- Designed and implemented major parts of micro-services using Kafka, Postgres, and Scala that enabled the launch of new international lottery products and expansion into new markets.
- Implemented a new backup and restore strategy for Cassandra and Postgres clusters appropriate for the low risk tolerance of losing data and high availability needs in this business model.

Research Assistant | Ph.D. Student, DESY

Feb 2014 – Jul 2017 (3y 5m)

- Contributed to the open source program WHIZARD for Monte Carlo Simulations at particle colliders

Education

University of Hamburg

Jan 2014 – Jan 2017 (3y)

Doctor of Philosophy – PhD (Dr. rer. nat.) (1.0) Theoretical Physics

- Collaborative research with professors and post-docs across Europe
- Taught university minors and acted as IT contact person for the group

The Julius Maximilians University of Würzburg

Jan 2012 – Jan 2014 (2y)

Master of Science with Honors (1.1) Theoretical Physics

The Julius Maximilians University of Würzburg

Jan 2009 – Jan 2012 (3y)

(1.2) Bachelor of Science (B.Sc.), Physics

Schiller-Gymnasium, Pforzheim

Jan 2002 – Jan 2008 (6y)

(1.0) Abitur, Physics + Chemistry

Snippets

JustDecide @ justdecide-bijancn.vercel.app

I developed this during my parental leave as a way for teams to make decisions together according to rough consensus.

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More about me

Interests

Taking care of three kids, weekly runs through the park and cooking dishes from my favorite Italian cook book

Languages spoken

German