

## **Brad J. Jaffke**

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**Summary** Experienced software engineer with 9 years of industry experience in all aspects of the software development life cycle. Supportive and enthusiastic team player who has been leading three teams of engineers writing cloud-native backend services. Self-motivated engineer who is constantly striving to deliver quality products and services while harnessing new technologies. Big proponent of Domain-Driven Design and Evolutionary Architecture.

**Experience** **Liberty Mutual Insurance Group, Seattle, WA**

Software Solutions Engineer, Personal Insurance Product, October 2019 – PRESENT

- Built REST API's in Java Spring Boot to deliver three new telematics products with tens of thousands of daily active users
- Mentored software engineers from three agile teams on good architecture/design, and coached them through the early stages of their career growth
- Designed an event-driven architecture using Apache Kafka
- Built a modern content management system on AWS S3 buckets and AWS API Gateways
- Used domain-driven design techniques to lead rewrite of a legacy monolithic application to a modern cloud-native microservice architecture
- Developed modern back-end services fronted by GraphQL to enable mobile applications to call into backend services in a more efficient manner
- Used React/Redux to help build a service portal used by thousands of customer service reps
- Led technology shifts such as Docker Swarm to Kubernetes, CI/CD pipeline changes, and migrations out of data centers
- Championed the DORA metrics in order to further improve speed-to-market, quality of deliverables, and team morale

Principal Software Developer, Personal Insurance Product, October 2017 – October 2019

- Delivered a new auto insurance telematics product to market that used driving data gathered by a mobile app in order to grade drivers and award them a discount
- Developed REST API's harnessing Java Spring Boot to support telematics mobile app used by tens of thousands of customers
- Harnessed core AWS services (lambda, S3, etc.) to deliver automated data verification for our business partners and data scientists
- Recommend ways to move current systems and products to cloud based systems (harnessing AWS) and make recommendations to management

Sr. Software Developer, Personal Insurance Product, Jan 2014 – October 2017

- Developed various quoting applications used by thousands of insurance agents and customers
- Mentor, team leader, and code reviewer for agile squad delivering on a two week sprint schedule
- Developed and maintained SOAP and REST web services harnessing Java, C#, Javascript, IBM WebSphere, XML, XSL, and SQL in a Service-Oriented Architecture

IT Analyst/IT Analyst II, Technical Development Program, May 2012 – January 2014

- Led team through all technical aspects of a C#/.NET project that supported thousands of independent insurance agents
- Led team through challenging aspects of project including uploading new data to the mainframe servers as well as writing an application to use a custom protocol.

**Liberty Mutual Insurance Group, Wausau, WI**

IT Enterprise Technology Services Intern, May 2011 – August 2011

- Built applications using SharePoint technology with C#/.net tools in order to deliver effective solutions for employees in different market groups.

**Maverick Software Consulting, Madison, WI**

Software Engineering Intern, March 2009 – May 2011, August 2011 – November 2011

- Developed, designed, and implemented products with a legal research database

**Education**      **B.S. Computer Engineering & Computer Science, Graduated May 2012**  
**University of Wisconsin-Madison**

**Technical Skills**      Java, Spring Boot, Kafka, GraphQL, MongoDB, AWS (Lambda, CFT, S3, Gateways), SQL, React/Redux (basic), Git

**Activities**      Member of Everett Mountain Rescue and Snohomish County Helicopter Rescue Team (Volunteer Search & Rescue unit)  
Avid outdoorsman (backpacking, snowboarding, hiking, climbing)