# Richard Stoneback

*Full Stack Software Engineer*

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## WORK EXPERIENCE

**Software Engineer II, Dealer.com (Cox Automotive)** - *2019 to present* - Burlington, VT

- Work on an agile team that develops a streaming pipeline for collection and transformation of automotive website user interaction data, which is used by thousands of websites, including Autotrader and KBB.
- Developed a serverless ETL application to enhance and combine multiple datasets, using S3, Lambda, Glue, DynamoDB, Fargate, etc as well as hitting other REST APIs.
- Created a Kafka-Streams job to handle CCPA requests for deleting customer information across multiple datasets.

**Staff Software Engineer, MicroStrain** - *2008 to 2019* - Williston, VT

- Lead developer on MSCL, an open source, cross-platform library that makes it simple to communicate with MicroStrain's wireless and wired sensors. Written in C++ and wrapped for Python and .NET. Provided customer support for both internal and external users.
- Product owner and full-stack developer on SensorConnect, the main PC software for all of MicroStrain's sensors. C++ backend, with HTML/JavaScript/WebGL UI.
- Created a mobile app to collect data from Bluetooth sensors, and push data to the cloud.
- Designed and developed sensorcloud.com.

## EDUCATION

**B.S. in Game Programming, Champlain College** - *2010* - Burlington, VT

- 3.8 GPA

## TECHNICAL SKILLS / EXPERIENCE

- Scala/Java, C++, C#, Python
- TypeScript/JavaScript, HTML, CSS
- Kafka, Kubernetes, Docker
- Terraform, CDK, CodePipeline
- New Relic, PagerDuty, Jenkins

- EC2, IAM, SNS, SQS, API Gateway
- Lambda, Glue, Fargate, ECS, ECR
- S3, DynamoDB, Neptune
- Secrets Manager, Cloudwatch