

# Richard Stoneback

Full Stack Software Engineer

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## WORK EXPERIENCE

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

- Developed Kafka Streams applications for collection and transformation of automotive website analytics data, sent by thousands of websites, including Autotrader and KBB.
- Developed serverless ETL pipelines to enhance and combine massive datasets, using AWS technologies including S3, SNS, SQS, Lambda, Glue, ECS, Fargate, Dynamo, and Step Functions.
- Created a web application to allow internal users to easily update website configurations, and test that the data they are sending is getting to Kafka as expected.

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

- Lead developer on [MSCL](#), a library used to communicate with MicroStrain's wireless and wired sensors. Written in C++ and wrapped for Python and C#. 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 frontend.
- Designed and developed [sensorcloud.com](https://sensorcloud.com).

## EDUCATION

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

- GPA: 3.8

## TECHNICAL SKILLS / EXPERIENCE

- Scala, Java, C++, C#, Python
- TypeScript, JavaScript, React
- Kafka, Kubernetes, Docker
- Terraform, CDK, Github Actions
- New Relic, PagerDuty
- SNS, SQS, Lambda
- Glue, ECS, Fargate, ECR
- S3, DynamoDB, Aurora PostgreSQL
- API Gateway, EC2, IAM
- Secrets Manager, Cloudwatch