Jason Longshore

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Chicago, IL, USA

An engineer with an affinity for software engineering, systems programming, and distributed systems.

EXPERIENCE

TitanClass — *Senior Software Engineer*

April 2018 - Present

· Developed Streambed, a toolkit that integrates LoRaWAN sensors with Scala and Akka Streams.

· Developed JSaaS, an ECMAScript execution service written in the Rust programming language.

· Created an event-driven dashboard to provision and transform IoT sensors and data, and tools to simulate RF reception, using TypeScript and React.

Lightbend — *Senior Software Engineer*

January 2017 - March 2018

· Enhanced Lightbend's proprietary orchestrator, ConductR, delivering support for containers via OCI, enhanced process management, and general usability improvements.

· Implemented open source tooling to improve the experience of running Akka Cluster and Lagom applications on Kubernetes and DC/OS.

· Implemented the storage layer for Console, using Git and the Go programming language.

HPN Worldwide — *Senior Developer*

February 2008 - January 2017

· Maintained a multi-tenant system for health and population management that powered hundreds of websites for hundreds of thousands of users.

· Designed and implemented a health record management system using event sourcing, Akka Cluster, Akka HTTP, and React.JS.

· Created infrastructure for automating deployments and monitoring of software systems running on-premise.

RECENT PROJECTS

Streambed — *Core Contributor*

December 2018 - Present

An event-driven microservices toolkit for Scala and Java, built on Akka Streams for IoT, incubated by Cisco.

streambed.io

Pantomime — *Creator*

December 2018 - Present

An actor-based concurrency and streaming toolkit for the Rust programming language.

pantomime.dev

Landlord — *Core Contributor*

April 2019 - Present

A project to reduce memory requirements of JVM-based applications by sharing the JVM.

github.com/landlord

JSaaS — *Creator*

December 2017- Present

A JavaScript execution service, built with the Rust programming language.

github.com/titanclass/jsaas

EDUCATION

Elmhurst College — *B.S. Computer Science*

August 2005 - May 2009