Corey Auger

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Summary

Lightbend (@Lightbend) is leading the enterprise transformation toward real-time, cloud-native applications. Lightbend Platform provides scalable, high-performance microservices frameworks and streaming engines for building data-centric systems that are optimized to run on cloud-native infrastructure. The most admired brands around the globe are transforming their businesses with Lightbend, engaging billions of users every day through software that is changing the world.

Experience

Senior Engineer
Lightbend, Inc.
Feb 2019 - Present (2 years 7 months +)
Lightbend (@Lightbend) is leading the enterprise transformation toward real-time, cloud-native applications. Lightbend Platform provides scalable, high-performance microservices frameworks and streaming engines for building data-centric systems that are optimized to run on cloud-native infrastructure. The most admired brands around the globe are transforming their businesses with Lightbend, engaging billions of users every day through software that is changing the world.
- Typescript, React, MobX, gRPC front end development
- Kubernetes operators and k8s development
- Scala backend Akka http, Akka Streams

Senior Software Engineer
Tally
Oct 2018 - Feb 2019 (5 months)

Senior Software Engineer
Conversant.im
Apr 2012 - Oct 2018 (6 years 7 months)
- Distributed system engineer
- Typescript, React, Scala.js
- WebRTC, TURN
- Worked in Scala creating a Akka cluster running on top of Kafka.
- Worked with Apache Spark and Apache Flink.
- Machine learning infrastructure.
- NLP parts of speech tagging.
- Cassandra and Titan graph database backend.
- Web and mobile front and built with Preact, redux, RxJs
- Android,iOS Flutter standalone applications

Software Developer

Playquest.tv

Jan 2013 - Oct 2013 (10 months)

- Peep to peer video encoding network.
- Created mobile streaming application
- realtime DirectX and OpenGL capture and encoding
- Audio capture and encoding.
- Web Application
- Social interactions with video games
- stream WebRTC, RTMP.

Director of Engineering

AfterCAD

Jan 2006 - Jul 2010 (4 years 7 months)

-Worked with complex CAD file formats (DWG,DGN) using openGL to extract geometric data and produce "smart raster data" (ALR file format) (see patent application 20090309893)
-Developed application for the conversion of DWG, DGN, DWF to our patented raster storage system (ALR files) and CAD-XML.
-Created system for 3D data visualization in the cloud. (see patent application 20100045662)
-Developed application pipeline for 3d file format conversion. ----Converted complex proprietary 3d formats (DWG,DGN,DXF) to open source Callada file format including asset and texture management.
-Developed game engine for the fast display, efficient swap and maximization of video memory for SaaS display architecture.
-Created architecture behind SaaS system allowing for the upload conversion display and markup of 2D and 3D geometry.
-Developed web service and load balancing architecture responding to adaptive job sizes and product service levels (eg: Gold member should get faster access then bronze member).
-Developed real-time collaboration strategy for team viewing of 2d 3d applications.
-Instituted framework for browser based geo-positioning of buildings. Created tile and polygon data generation for google maps.
-Orchestrated realtime low level Screen Capture of games (Direct3d and OpenGL dll injection technique)
-Have completed extensive work with capture encoding and streaming of real-time media.
-Developed realtime content delivery strategies using P2P networking.

Developer

Arizona Bay

Jan 2005 - Jan 2006 (1 year 1 month)

Worked on the Neteller Asia project.

University of Calgary

Sep 2004 - Jun 2005 (10 months)

Worked for the Math Department as well as the Physics and Astronomy Department developing an online application that allowed them to share and publish specific data faster and more effective.

Also worked with the Netera team:

http://www.netera.ca/newsletters/Dec2005.pdf

Netera would like to welcome
Corey Auger as the team's new
Software Developer in Calgary

Principal Director
eFinity Inc.
Aug 1999 - Dec 2002 (3 years 5 months)
Company started in Calgary with 3 partners providing Internet applications and security to a broad
number of clients.
http://school.nelson.com/catalogue/downloads/entrepreneur_chapter1.pdf

Education

University of Calgary
BSc, Computer Science.
2000 - 2005
Specialized in working with computer graphics and some fun math projects. Two worth looking at are
located here:
http://www.coreyauger.com

Worked on a number of open src projects as well as getting hired on by the Math Department to create
a software project.

Had the privilege of taking advanced classes that only 20 students that applied were able to get in.

Open Source Projects:
https://github.com/coreyauger

Licenses & Certifications

Functional Programming Principles in Scala - Coursera

Principles of Reactive Programming - Coursera

Apache Spark: An Introductory Workshop for Developers - Typesafe (now
Lightbend)

Machine Learning - Coursera

Pattern Discovery in Data Mining - Coursera Course Certificates
SJJUF7N4AT

edX Verified Certificate for Introduction to Functional Programming - edX

Text Retrieval and Search Engines - Coursera Course Certificates
HHX5ZPLP86

Cluster Analysis in Data Mining - Coursera Course Certificates
W8NNEXGLAP

edX Verified Certificate for Introduction to Big Data with Apache Spark - edX

Text Mining and Analytics - Coursera Course Certificates
MFZSSUZT6P

edX Verified Certificate for Scalable Machine Learning - edX

Machine Learning Foundations: A Case Study Approach - Coursera Course Certificates
C9XBN6LDSLFW

edX Professional Certificate for Text Mining & Analytics - edX

Machine Learning: Regression - Coursera Course Certificates
7RJ333P3C8DJ

Machine Learning: Classification - Coursera Course Certificates
GJRBHA5XMCVK

Machine Learning: Classification - Coursera Course Certificates
GJRBHA5XMCVK

Functional Programming Principles in Scala - Coursera Course Certificates
FXVKPWZC98FH

edX Verified Certificate for Introduction to Apache Spark - edX

edX Verified Certificate for Introduction to Apache Spark - edX

Functional Program Design in Scala - Coursera Course Certificates
FLGFNPXR72TS

Parallel programming - Coursera Course Certificates

VT9RXGWPEKQC

Neural Networks and Deep Learning - Coursera
7R3JNGW5KS5Z

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - Coursera
BTQVK5MUBLDU

Structuring Machine Learning Projects - Coursera
CGXSCLG46XRJ

Convolutional Neural Networks - Coursera
NRHDATSEXW5F

Deep Learning Specialization - Coursera
TMYRX5KK9J2P

Sequence Models - Coursera
QBVN4RTRJYPB

Mathematics for Machine Learning: Linear Algebra - Coursera
4XZ6HKMR3LJW

Mathematics for Machine Learning: Multivariate Calculus - Coursera
YSDSHAHREVUU

Mathematics for Machine Learning Specialization - Coursera
P9BZJAU2V3FW

Mathematics for Machine Learning: PCA - Coursera
TWRLJZTRSJT8

Reactive Architecture: Introduction to Reactive Systems - Cognitive Class
da465935f8b2415abcd8079d895286ad

Reactive Architecture: Domain Driven Design - Cognitive Class
8557c182cf8e44679ab54b1146021bae

Reactive Architecture: Reactive Microservices - Cognitive Class

a5a69d66f43c44f391c1f0e02635475b

Reactive Architecture: Building Scalable Systems - Cognitive Class
cf50faacddd248c0855341d6274385dc

Reactive Architecture: Distributed Messaging Patterns - Cognitive Class
335bee37ca8b45eba706e7ba247e4941

Reactive Architecture: CQRS & Event Sourcing - Cognitive Class
172d5d68bb5c4aeb9dda883053c1ca91

Certified Reactive Architect Exam v3 - Lightbend, Inc.
ivA6q0RUHk2kYqVuvtroTA

scala-reactiveX: Programming Reactive Systems - edX
30eb1624212241c5b1b380d596b31596

Skills

Web Applications • Web Services • C++ • HTML 5 • OpenGL • Node.js • JavaScript • Mobile Applications • C# • Software Project Management