

Eugene Yokota

(@eed3sign)

Scala Tooling Engineer

Eugene Yokota

Weehawken, NJ (remote preferred)

eed3si9n@gmail.com | <http://eed3si9n.com/> | <https://github.com/eed3si9n>

Work

Lightbend

Principal Engineer, Scala Team March 2019 - April 2020, Remote

Tech Lead, Tooling Team June 2016 - March 2019, Remote

Senior Engineer, Tooling Team March 2014 - June 2016, Remote

- As [Tech Lead](#) of Tooling team, maintained, developed, and commercially supported sbt, an open source build tool used by 93% of the Scala community.
- [Designed](#) and implemented the transition to sbt 1.x series, including the split of Scala incremental compiler Zinc, sbt new command, [unified slash syntax](#), [super shell](#), and adoption of Coursier as the dependency resolution backend.
- Oversaw transition of the commercial distribution infrastructure from Reactive Platform v1 to Reactive Platform v2, including the launch of [Tech Hub](#), which hosts browser-based project starter and tutorials.
- Proposed and led Central Park initiative to create Kubernetes sandbox environment for automated internal integration testing in OpenShift environment.
- As a Principal Engineer in Scala Team, implemented [virtualization](#) of incremental compiler inputs for large-scale compilation and build caching.

Burgiss

Software Developer

May 2003 - March 2014, Hoboken, NJ

- Designed and implemented role-based access control system for private equity investment software Private i.
- Designed and implemented a data import tool with a custom query language.
- Led adoption of continuous integrations, internal operation systems, centralized logging and other infrastructure services.

Open Source

sbt

- <https://www.scala-sbt.org/> an interactive build tool for Scala.

Herding Cats

- <http://eed3si9n.com/herding-cats/> an online tutorial of purely functional programming using Typelevel Cats.

Scala

- Contributed `:kind` command to REPL ([#2340](#), [#5916](#)), deprecated `any2stringadd` ([#6315](#)), procedure syntax ([#6325](#)) etc, made extractor pattern null safe ([#6485](#)) and implemented typo correction suggestions

([#6711](#)).

sbt-assembly

- <https://github.com/sbt/sbt-assembly> an sbt plugin to repackage deployment image to a single JAR.

sbt-buildinfo

- <https://github.com/sbt/sbt-buildinfo> a code generation sbt plugin to access build information from the app.

Contraband

- <https://www.scala-sbt.org/contraband/> a GraphQL-based description language for datatypes to automatic JSON binding derivation.

sjson-new

- <http://eed3si9n.com/sjson-new> a typeclass-based JSON codec that is independent of AST backend.

scopt

- <https://github.com/scopt/scopt> a command-line parsing library for Scala.

treehugger.scala

- <http://eed3si9n.com/treehugger/> a library to generate Scala code programmatically.

scalaxb

- <http://scalaxb.org/> an XML/SOAP data-binding tool for Scala.

foundweekends

- <http://www.foundweekends.org/> a volunteer organization to maintain Giter8, Pamflet, and Conscript created by the ny-scala community.

sbt-doge

- <https://github.com/sbt/sbt-doge> a prototype implementation of cross building for sbt 0.13. sbt-doge became the cross building in sbt 1.x.

sbt-projectmatrix

- <https://github.com/sbt/sbt-projectmatrix> a prototype implementation of cross building for sbt 1.x using spatial representation.

References

Talks

Analysis of Zinc

- Nescala 2020
- ScalaSphere 2019 <https://www.youtube.com/watch?v=h8ACmUHQ2jg>

sbt core concepts

- Scala Days Lausanne 2019 <https://www.youtube.com/watch?v=-shamsTC7rQ>
- ScalaMatsuri 2019 <https://www.youtube.com/watch?v=mY7zu21Cceg>

sbt 1

- Scala Days Berlin 2018 <https://www.youtube.com/watch?v=rjW-H8hY7BM>

- Scala Days New York 2018 <https://www.youtube.com/watch?v=LeVO4Rbpl04>

The state of sbt 0.13, sbt server, and sbt 1.0

- ScalaSphere 2017 <https://www.youtube.com/watch?v=hMOjUI8arRM>

The road to sbt 1.0 is paved with server

- Scala Days Amsterdam 2016
<https://www.youtube.com/watch?v=Wl8QzsZ4lZk>

Learning Scalaz

- Nescala 2014 <https://www.youtube.com/watch?v=jyMlvcUxOJ0>

scalaxb

- Scalathon 2011 <https://vimeo.com/28770488>

History

Stevens Institute of Technology  / MS, Computer Science
2006 - 2009, Hoboken, NJ

- Implemented handwriting recognition algorithm using Java based on Markov Chain for Machine Learning course.
- Implemented basic TCP/IP stack using C++ for TCP/IP course.
- Implemented virtual robots that play tag in Simbad simulator for Autonomous Mobile Robots course.

Stevens Institute of Technology  / Research Student, Visualization Lab
January 2003 - May 2003, Hoboken, NJ

Stevens Institute of Technology  / BS, Computer Science
1998 - 2004, Hoboken, NJ