

Lucas Gray

lucas.e.gray@gmail.com | <https://lucasegray.com>

(608) 751-2206 | 834 Ottawa Trl, Madison WI 53711

SPECIALIZATIONS

- Full stack development
- Engineering leadership
- Big data

SPECIAL INTERESTS

- Games
- Mobile
- Mapping applications

TECHNOLOGIES

Java Ecosystem (12 yrs)

- Java
- Kotlin
- Scala
- MVC Frameworks like Dropwizard, Scalatra
- Queuing systems like ActiveMQ, Jesque

.Net Ecosystem (1.5 yrs)

- C#
- ASP MVC
- Entity Framework

Javascript (12 yrs)

- React
- React-Native
- Typescript
- Node
- Ember

Databases

- Postgres
- Mysql
- Redis
- Firebase
- SQL Server

Big Data Ecosystem (3 yrs)

- Hadoop
 - Hive
 - MapReduce
 - Spark
 - Elasticsearch
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EXPERIENCE

Engineering Director | Alloy

February 2022 - Present

React, Next.js, Typescript, Node, Postgres, Render PaaS

- Lead and organized work for a team of 3 developers and one QA
- Set up foundation for system architecture, database, backend webhook handlers, automation, and a ticketing system
- Worked closely with integration partners and vendors, often proposing accepted solutions to integration needs
- Contributed much of the backend Typescript code, including webhook handlers, an in memory product configuration registry, and CI/CD pipelines

Link: [Alloy](#)

Engineering Director | ExecVision

February 2020 - February 2022

Product Engineering Manager | ExecVision

August 2018 - January 2020

React, Kotlin, Postgres, Elasticsearch, Linux, AWS

- Lead and organized work for a team of 8 remote product engineers
- Main contributor on several of ExecVision's differentiating product features including coaching and dashboards
- Worked closely with QA team to ensure product quality via feature flags, weekly deployments

Link: [ExecVision Charts](#), [Execvision Overview](#)

Software Development Manager | National Decision Support Company

January 2017 - August 2018

.Net, C#, Entity Framework, AngularJS, SQL Server

- Lead a team of 5 full stack engineers, and mentor customer support engineers and software engineers in test
- Lead strategy and prioritization to ensure legacy code maintains correctness while paying down code debt and restructuring to enable the future of the product
- Facilitated brown bags, pull request reviews, ensure product direction lines up with technical needs, hiring and vetting

Lead Software Engineer | Beekeeper Data

January 2015 - January 2017

Scala, Ember, Postgres, Heroku, MapReduce, Jesque

- Lead engineer for an early stage business intelligence startup, founded by the former head of analytics at Foursquare
- Main front end, back end, and devops developer for the product. Wrote and deployed Scala and Ember code. Built out an initially self-hosted web app, then augmented the app with multi-tenancy and hosted on Heroku.
- Built a Mongo to Hadoop ETL pipeline that would automatically “read” the Mongo schema and build Hive DML statements to create Hive schema, then insert Mongo data into HDFS
- Acted in a sales engineer role to guide adoption with customers
- Provided mentorship and guidance for a small team of developers

Links: [CTEs for Legible SQL](#), [Fan Loyalty and Perception of Euro 2016](#)

Software Engineer, Platform | Networked Insights

September 2011 - January 2015

Java, Storm, Hive, Hadoop, Oozie, Zookeeper, Spring, Postgres, Wicket

- Designed, architected, and wrote a framework similar to Azkaban or Luigi to stitch together disparate ETL and workflow subsystems into a united core ETL solution. These workflows were driven by an evaluated configuration file approach - similar to Gradle build scripts, but for ETL. Used by platform and data team members to coordinate read/write locks, dependencies between steps, and more.
- Built a series of aggregations on top of Hive using this framework that sat in-between Storm and an MPP database. Powered our main dashboard product. Evaluated ~500m data points per day.

Link: [Gru Workflow Guide](#)

Web Developer | University of Wisconsin Hospitals and Clinics

October 2008 - September 2011

Java, Tomcat, Apache, Stripes MVC Framework, jQuery, SQL Server

Developed and maintained UW Health internal and external web apps, including bill pay, CMS platforms for internal and external content, performance management systems, Find A Doctor, and more

J2EE Developer | State Farm Insurance

May 2007 - September 2008

Java, Struts, DB2

Worked as part of onshore and offshore teams to rewrite VB6 applications to J2EE. One such application was Online Timecard, used by all part-time/non-salary employees.