# Adron Hall

* Redmond, WA (Seattle, WA Metro)
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## Experience

### Principal Engineer (Architect, Consultant, Trainer)

CTC - Owner/Consultant February 2023 - Present | Redmond, WA - Remote

*Tooling: Java, Spring Boot, Mongo, PostgreSQL, SQL Server, Oracle, MySQL, Apache Cassandra, Kafka, Flink, SQL, RESTful & GraphQL APIs, AWS, Terraform, Cloudformation, and many others.*

[Spam Deptection Project](https://compositecode.blog/spam-detection-project/)**:** A Spam-mitigation API service in Java Spring Boot, filtering SMS messages for spam, validating UDF/Data Types, and handling message format encoding/decoding. Deployed and managed on AWS using Terraform and GitHub Actions, with services for testing, environment management, and monitoring.

[Data Fabric Platform](https://compositecode.blog/financial-services-data-fabric/)**:** Designed and prototyped buy/build technologies for API modernization, working with financial organizations to meet data consumer needs and ensure ROI.

[Communities of Practice](https://compositecode.blog/communities-of-practice-transforming-financial-software-development/)**:** Established GraphQL and Java Spring Boot communities to transform software development practices.

**Vertical Application Stacks:** Implemented reference and prototyping stacks with horizontal infrastructure as code assets for scalable, resilient, and continuously deployed Java Spring Boot APIs.

**Mentorship:** Guided the use of various data sources, including Oracle, SQL Server, PostgreSQL, MySQL, MongoDB, and Apache Cassandra.

**Team Building:** Hired and built teams for API modernization projects, leading scoping, product planning, and aligning teams with project missions.

**Technical Advocacy:** Grew the internal GraphQL Community of Practice from a dozen to over 60 members in a few weeks, expecting to exceed 80 members by the fourth month.

**Corporate Training:** Developed training focused on deployment solutions and plans using Terraform for Infrastructure as Code based on immutable infrastructure concepts.

### Principal Product Manager

Hasura - Full Time April 2022 - February 2023 | Seattle, WA - Remote

*Tooling: Java, C#, Python, JavaScript, PostgreSQL, Amazon Athena, Snowflake, AWS, GCP, Azure, and related cloud architecture and their related services, along with numerous other technologies for integration and architectural guidance.*

I rejoined Hasura as a founding member of a new product management team, driving the transition to a more process-oriented approach. I led discussions on customer needs, use cases, design decisions, and new feature development, clearing the path for engineering.

I also worked with engineering to synchronize Productboard and JIRA, streamlining processes and improving communication. This enabled more consistent and quality development from ideation to completion.

Notable projects: 1. [Instant GraphQL on Amazon Athena](https://hasura.io/blog/announcing-amazon-athena-integration) 2. [Instant GraphQL on Snowflake](https://hasura.io/blog/introducing-instant-graphql-apis-for-snowflake-cloud-data-platform)

### AWS Senior Technical Project Manager

Amazon Web Services - Full Time November 2021 - April 2022 | Seattle, WA - Remote

*Tooling: GraphQL, JavaScript, Python, AWS AppSync, AWS DynamoDB, and AWS across other serverless and related offerings.*

60%: Focus on writing, researching, and producing data analysis for AppSync, Amplify, and related developer use. This includes coding production-level CI/CD examples, schema modeling, and website architecture and deployment.

40%: Create documentation, articles, and written details on Amplify, AppSync, GraphQL, data infrastructure, DynamoDB, and other key AWS services.

Example post: [“How to connect your GraphQL to AWS data sources”](https://aws.amazon.com/blogs/mobile/how-to-connect-your-graphql-api-to-aws-data-sources/).

### Principal Developer Advocate

Hasura - Full Time September 2020 - October 2021 | Seattle, WA - Remote

*Tooling: GraphQL, PostgreSQL, Hasura, Terraform, JavaScript, C#, SQL, AWS, GCP, Azure, and related cloud architecture and their related services, along with numerous other technologies for integration and architectural guidance.*

* 30%: Developing and prototyping application usage around GraphQL APIs with Hasura using JavaScript, Go, Python, and other languages.
* 30%: Delivering presentations, reports, analysis, and training on GraphQL and its architectural design.
* 20%: Providing DevOps guidance on deployment, maintenance, and architecture of Hasura and GraphQL API data services.
* 20%: Leading communication between customers, community, and internal teams. Organizing and producing Hasura streaming shows and video content.

Blog Posts @ Hasura: [here](https://hasura.io/blog/@adron). “A Hasura Bit” Video Shorts: [here](https://youtube.com/playlist?list=PL4f75Y6Ce5sty7iWwLUq55aZNiA9u7vWc&si=dDiY61IqJgtdU0iW).

### Principal Cloud Architect / Principal Developer Advocate

DataStax - Full Time Seattle, WA - Remote

***Principal Cloud Architect during December 2019 - August 2020***

*Tooling: GraphQL and RESTful APIs, Java, Python, Goland, JavaScript, Terraform, K8s, AWS, GCP, Azure, and related cloud architecture and their related services, along with numerous other technologies for integration and architectural guidance.*

90% focused on designing, guiding, and implementing DataStax’s Apache Cassandra DBaaS, primarily on GraphQL API implementation, reference application guidance, technical content, and leading customer and user outreach efforts.

10% supporting architectural design and implementation with K8s, Docker, Go, and other tools for DBaaS deployment and related customer/user tooling for Apache Cassandra/DataStax Enterprise implementations.

***Principal Developer Advocate during June 2018 - December 2019***

*Tooling: Java, C#, Node.js, Python, Apache Cassandra, General API Technolgoies, and numberous others.*

Developed and expanded reference application designs and guides for building large-scale enterprise applications using the KillrVideo code base. Utilized Java, C#, Node.js, and Python repositories for presentations, teaching, mentoring, and outreach.

Organized and led various meetups in the Seattle region, focusing on database and data-centric development topics such as data modeling, architecture, and coding.

Created technical content, including blogs and contributions to open source projects, and engaged with the software programming community through regular content creation. \* Blog: [compositecode.blog](https://compositecode.blog/)

Initiated live-stream coding on Twitch and YouTube, covering topics like Apache Cassandra, DataStax Enterprise, Go, C#, JavaScript/Node.js, distributed systems, Terraform, DevOps, and more. \* Twitch: [thrashingcode](https://www.twitch.tv/thrashingcode) \* YouTube: [ThrashingCode](https://www.youtube.com/c/ThrashingCode)

**Additional Contributions:** - [Articles/Blog Entries](https://www.datastax.com/our-people/adron-hall) - [Multi-cloud Challenges Video](https://www.datastax.com/resources/video/multi-cloud-challenges-adron-hall-and-patrick-mcfadin) - [Guest Appearance on The Open Source Show](https://learn.microsoft.com/en-us/shows/the-open-source-show/distributed-systems-demystified-cassandra-datastax-demo-and-faq)

### Composite Thrashing Code - Consultancy/Contract

*Principal Software Engineer* November 2016 - November 2017 Seattle, WA - Remote

Projects @ Pelo.Tech

*Tooling: Utilized a technology-neutral approach, frequently employing Go, Node.js, Python, Java, and JavaScript (React) for multi-tier web development.*

* **Rebuilt Company Site & Community Building**: Led efforts to revamp the company site, integrating community-building initiatives around development efforts, language stacks, and outreach.
* **Developer Mentorship**: Guided developers in ramping up for various e-commerce and IoT projects.
* **Business Development in Seattle**: Expanded outreach for development services and product offerings.

Contributions to Startups

* **Technical Hiring & Team Building**: Assisted startups with initial technical hires, team formation, and development processes.
* **Lean Startup Approaches**: Advanced businesses with a focus on quality, user experience, and effective team assembly.
* **Hands-On Development**: Provided initial coding, prototyping, and support for startups progressing toward MVP and v1.

### Principal Software Engineer, SRE, & Open Source Ethnographer

Home Depot - Full Time Orchards, WA - Hybrid

*Tooling: Terraform, Packer, Golang, Node.js/JavaScript, AWS, GCP, Azure, OpenStack, Apache Cassandra, Neo4j, SQL Server, PostgreSQL, along with numerous others.*

For an overview of my work at Home Depot, see these blog entries: - [Elastic Meetup and Quote Center Updates](https://compositecode.blog/2016/01/26/all-that-tech-sitrep-elastic-meetup-and-quote-center-updates/) - [New Job Announcement](https://compositecode.blog/2015/10/31/after-816-days-im-taking-a-job/)

Key projects included: - Researching cultural shifts for effective open-source development. - Implementing strategies to transition from closed-source to open-source practices. - Presenting on these topics at the O’Reilly Architecture Conference in London. [Slides and info](https://compositecode.blog/confs-meetups-events/moving-enterprise-practices-and-development-to-open-source/).

### Principal Developer

Contract Work March 2012 - August 2015 Portland, OR - Remote

*Projects at CDK (May 2015 - August 2015)*

Building and deploying a push notification server within CDK’s internal infrastructure. Leading the challenge series, guiding interns and staff in determining use cases, product fit, and deployment options for internal applications.

*Projects at Code Fellows (Feburary 2015 - April 2015)*

I co-founded the Portland branch of Code Fellows School, serving as the initial instructor. I led the first multi-week training sessions focused on core web development skills, including HTML, CSS, and JavaScript, and explored various frameworks and libraries. Additional courses covered Git, IDEs, and related tools to provide a comprehensive education for aspiring junior developers.

*Project at New Relic (March 2012-November 2014)*

While running Deconstructed and while working with Tier 3 and Basho, I collaborated with New Relic to produce various blog series on Platform as a Service (PaaS) technologies, Node.js applications, and other topics. My work also appeared in related publications like Mashable, Silicon Angle, and ReadWriteWeb. Links to some of these articles can be found here: [My Work Elsewhere](https://compositecode.blog/write-up-series/my-work-elsewhere/).

Tier 3 + New Relic - worked on integration and data collection of APM tooling, with their teams to integrate with PAAS environments like Cloud Foundry. Worked with New Relic & Basho for tooling integration around the Riak distributed database and the New Relic APM tooling.

*Projects at Basho (December 2012 - August 2013)*

Responsible for partnership scouting, assisting on sales calls, and managing partnership integration at New Relic and other companies. Handled community organizing, conference organization, and outreach in the Pacific Northwest, forming and managing the Seattle & Portland Basho & Riak User Groups.

Attended, spoke at, and provided training at various conferences and user groups across the U.S.

Developed and integrated vertical and horizontal projects using JavaScript (Node.js), Ruby (Rails, Sinatra), .NET, and other languages with Riak. Assisted customers with architecture, networking, security, and implementation of Riak, Redis, Neo4j, and Postgres, ensuring high availability, scalability, performance, and resilience in distributed data systems.

*Projects at Tier 3 (March 2012 - November 2012)*

I joined Tier 3 in March to lead the Web Fabric PaaS Team, expand the Iron Foundry Community, and advance the Thor Projects. After the initial release of the Tier 3 Web Fabric in May, I focused on advocacy, speaking at various events, and leading community efforts in mentoring and teaching.

**Project Iron Foundry, Organization Coder & Community Lead (November 2012 - February 2013)**

Collaborated with the open source community and the Tier 3 team to enable Cloud Foundry for .NET.

### Co-founder & CTO of Deconstructured

November 2013 - February 2015 | Portland, OR

Core technology has been centered on Amazon Web Services (AWS) using their respective services: Elastic Beanstalk, CloudFormation, EC2, S3, RDS, Route 53, Identity & Access Management, and SQS. The system built on these AWS services was a core engine and multiple processor services for the engine all built with Node.js 0.10.x.

For further work going into my career, check out my long resume here.