

# Ryan A. Koval

Software Engineering, Architecture & Management

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## Programming Languages

JavaScript, TypeScript, Scala,  
Python, Java, Golang, C#, bash,  
Lua, HTML5, CSS, Less, Sass

## Frameworks & Libraries

React, MobX, MochaJS, Django,  
TailwindCSS, TRPC, Redux,  
Vue.js, Pug, Next.js, Remix,  
AngularJS, Play Framework,  
Spring, Hibernate

## Infrastructure

Kubernetes, CloudFormation,  
AWS Lambda, Elastic Beanstalk,  
CloudFront, CloudWatch, ELB,  
IAM, VPC, WAF, SQS, SNS, EC2

## Automation

Docker, GitHub Actions, CircleCI,  
Playwright, Puppeteer, Jest,  
Terraform, Karma, sbt, Webpack,  
Ansible, Jenkins, Concourse CI,  
Vagrant

## Data Stores

PostgreSQL, Prometheus, Redis,  
MySQL, ElastiCache, RDS, S3,  
Cassandra, Hazelcast,  
Elasticsearch, MongoDB

## Miscellaneous

ChatGPT, Linux, Neovim, Vim, git,  
macOS, Bun, node.js, Grafana,  
Sublime Text, Stripe, OAuth,  
Markdown, NGINX, WordPress

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## Roblox, Engineering Manager

Aug 2021 – present

- » Working primarily within the Guilded team after its acquisition, Ryan directly managed 6+ engineers by facilitating the RoGRO corporate review process and by providing radical candor to bolster the performance of his direct reports
- » As technical lead, he steered 7+ projects and product initiatives involving 40+ personnel across engineering, design, community, trust & safety, and beyond
- » He pioneered a ChatGPT integration that allowed for a multiplayer chat experience with the LLM, fueling AI adoption within the product

## Guilded, Software Engineer

Nov 2018 – Aug 2021

- » Ryan was integral to the original core engineering team that secured a \$7M Series A funding in April 2020 and ultimately the \$90M acquisition by Roblox in August 2021.
- » He spearheaded recruitment and management helping grow the engineering team from 7 to 21+ people with less than 15% turnover over two years.
- » He employed growth engineering to elevate the product from effectively 0 to 110k+ DAU/0.9M+ MAU over 3 years
- » He directed many product and engineering initiatives from end-to-end, including gathering user requirements, collaborating with the UX design team, and shipping code to production
- » He served as a versatile full-stack engineer across web, desktop, mobile, backend, devops, CI/CD, cloud infrastructure, moderation/abuse, data stores, developer experience, and more

## LTK (formerly rewardStyle and LIKEtoKNOW.it), Senior Software Engineer

Feb 2016 – Oct 2018

- » Ryan led front-end development for a self-service collaborations portal, where he managed an international team
- » He helped craft two major versions of a screen-scraping infrastructure used to gather data from all influencers for a customer-facing recommendation engine and general business intelligence
- » He helped transition the organization from a two-week deploy cycle to rapid continuous delivery by designing and implementing new core infrastructure patterns
- » He revived multiple legacy node.js analytics projects plagued with stability problems and general disrepair
- » He overhauled infrastructure configuration for another failing project in charge of syncing critical internal data throughout multiple systems

## Bottle Rocket Studios, Lead Engineer

Nov 2015 – Feb 2016

- » Ryan utilized his Scala experience to rapidly accelerate development of a complex eCommerce ordering solution for multiple high profile fast food and fast casual restaurants

**Slalom Consulting, Consultant**

Nov 2013 – Oct 2015

- » Ryan constructed core components for nearly all aspects of a multi-million dollar system prison telecommunication investigative tool
- » He was designated as an authority to navigate Scala-centric AWS data processing pipelines for a prominent agricultural enterprise

**Credera, Consultant**

Aug 2011 – Oct 2013

- » Ryan interacted with and developed for nearly all aspects of a multi-million dollar automotive eCommerce website, which contained over 50 technology integrations and spanned over both desktop & mobile platforms.
- » He captained front-end integration team of a classic Spring MVC implementation for a marketing tool used by an international marketing giant.

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**Certified ScrumMaster® – Scrum Alliance**

Sep 2015

**Oracle Certified Professional – Java SE6 Programmer – Oracle**Oct 2011

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**Southern Methodist University**

- » Bachelor of Science, Computer Science (minor in Mathematics)