


Kyle Yetter

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Staff Software Engineer


Richmond, VA


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kyle-yetter


ohboyohboyohboy

Education

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Aug 2005 — University of Virginia

B.S. Electrical Engineering

Projects

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- 2009 - 2014 — ANLTR3 for Ruby
- https://github.com/ohboyohboyohboy/antlr3
- > Bridges Java-based ANTLR3 code generation with Ruby by implementing a full runtime library and target templates, enabling seamless language recognizer development in Ruby.
- > Architected and implemented a full Ruby runtime library for ANTLR3 and StringTemplate target templates, enabling Ruby developers to generate language recognizers directly in their applications.
- > Developed Java-based integration classes and support scripts to orchestrate Ruby code generation with ANTLR3.
- > Authored comprehensive documentation and example grammars.

Key Skills

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Ruby	★★★★★
Javascript (ES6+)	★★★★☆
Python	★★★★★
TypeScript	★★★★☆
C/C++	★★★★☆
Java	★★★★☆
Rails	★★★★★
Rubygems	★★★★★
Sinatra	★★★★☆
RSpec	★★★★★
Rake	★★★★★
Capybara	★★★★☆
Node.js	★★★★☆
npm	★★★★★
React	★★★★☆
Stimulus	★★★★☆
CSS 3+	★★★★☆
PostgreSQL	★★★★☆
MySQL	★★★★★
Elasticsearch	★★★★☆
Redis	★★★★☆
Apache Airflow	★★★★★
Segment	★★★★★
GraphQL	★★★★☆
RESTful APIs	★★★★★
OpenAPI	★★★★☆
Segment	★★★★★
Apache Airflow	★★★★★
DataDog	★★★★☆
Git	★★★★☆
GitHub	★★★★☆
GitLab	★★★★★
Apache HTTP Server	★★★★★
Nginx	★★★★☆
Puppet	★★★★☆
Ansible	★★★★☆
Terraform	★★★★☆
Docker	★★★★☆
Kubernetes	★★★★☆
Amazon Web Services (AWS)	★★★★☆
Google Cloud Platform (GCP)	★★★★☆

About Myself

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Software engineer with expertise in Ruby, JavaScript, and Python, delivering impactful solutions across gig economy markets, DevOps, edtech, web hosting, and telecommunications. Skilled in developing innovative applications and improving systems, which enhances user satisfaction and operational efficiency. Offers a strong foundation in modern programming languages and a commitment to excellence in software development.

Employment History

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GitLab — [gitlab.com](#)

Richmond, VA USA (remote)

GitLab is an industry leader in providing DevSecOps tooling for professional software developers to design, ship, and maintain software.

Senior Software Engineer

- > Directed research, design, and implementation phases for specialized on-demand backup tool, collaborating with senior engineers to address complex data durability challenges across diverse deployment environments
- > Architected comprehensive backup solution for disaster recovery across all GitLab installation types (SaaS, self-hosted, and managed dedicated), leveraging AWS and Google Cloud Platform infrastructure
- > Resolved critical bugs in GitLab's enterprise Geo feature, ensuring reliable data synchronization and minimizing unexpected downtime incidents across globally distributed self-hosted installations
- > Mentored junior engineers through formal mentorship program, providing technical guidance and career development support
- > Led a GitLab team member resource group, promoting inclusivity and supporting underrepresented team members through targeted initiatives

Nov 2023

Wonolo — [wonolo.com](#)

Richmond, VA USA (remote)

Wonolo (Work Now Locally) is a gig work marketplace that allows business owners to hire workers for temporary roles

Senior Software Engineer II

- > Partnered with the Trust and Safety team to direct the integration of Wonolo's data with Unit21, a fraud detection and case management system, enabling detection of hundreds of fraudulent activities per quarter and reducing manual review time by 80%
- > Developed and maintained Apache Airflow DAGs to synchronize live application data, warehoused data, and real-time user events with third-party integrations
- > Oversaw the Wonolo admin site and implemented improvements for support agents and internal customers

Jun 2022

TaskRabbit, Inc — [taskrabbit.com](#)

Richmond, VA USA (remote)

TaskRabbit, a subsidiary of IKEA, is a two-sided gig work marketplace where consumers hire professionals to assist in everyday labor

Senior Software Engineer

- > Built foundational platform for company integration with Twilio Segment, enabling the Trust and Safety team to respond to fraudulent activity 75% faster
- > Established and executed tooling integrations for marketplace Operations teams
- > Researched and designed GraphQL API for use by mobile and web apps
- > Provided server-side engineering support for TaskRabbit's mobile and web apps, resolving dozens of critical incidents and drastically improving backend performance
- > Authored a regular series of articles on Ruby programming best practices, contributing to internal knowledge sharing and skill development

Jan 2019

eBackpack, LLC — [ebackpack.com](#)

Richmond, VA USA (remote)

eBackpack was a fully-featured Learning Management System (LMS) platform targeting K-12 educational institutions.

Senior Developer

- > Built fully-featured test authoring and administration system which allowed hundreds of teachers to create rich assessments with automatic scoring and reporting
- > Established automatic synchronization of assignment and activity due dates to students' Google and Office calendars
- > Created a multi-platform mobile app using Apache Cordova to report grades and assignments to parents
- > Planned and documented high-level features and product roadmaps, facilitating clear communication and alignment across development and product teams
- > Led primary product development and maintenance for eBackpack, delivering new features and enhancements in an agile environment
- > Coordinated devops activities for a fleet of application servers and company equipment

Sep 2013

Note: This timeline has been truncated to keep this resume direct and readable. Please contact me directly if you would like my employment history prior to 2013.

