KYLE YETTER

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👤 PROFILE

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

📅 2023 – NOW ⚲ RICHMOND, VA, USA (REMOTE)

Senior Software Engineer
GitLab

- 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

💼 EMPLOYMENT HISTORY

📅 2022 – 2023 ⚲ RICHMOND, VA, USA (REMOTE)

Senior Software Engineer II
Wonolo

- 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

📅 2019 – 2022 ⚲ RICHMOND, VA, USA (REMOTE)

Senior Software Engineer
TaskRabbit, Inc

- 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

💼 EMPLOYMENT HISTORY

📅 2013 – 2018 📍 RICHMOND, VA, USA (REMOTE)

Senior Developer
eBackpack, LLC

- 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

📅 2012 – 2013 📍 VIRGINIA BEACH, VA, USA

Developer
InMotion Hosting

- Designed and implemented a new product for hosting customers -- McAfee advanced spam filtering, a complex project that coordinated hosting servers, payment systems, customer records, and third-party service APIs
- Performed development and maintenance on the company's account management website using agile techniques

📅 2009 – 2012 📍 VIRGINIA BEACH, VA, USA

System Administrator III
InMotion Hosting

- Authored over ten tools to automate administration tasks, distributing and managing them as RedHat packages, saving hundreds of labor hours per quarter for the admin team and adopted by a team of one dozen administrators
- Maintained a Chrome extension that streamlined work for customer support representatives, reducing average call handling time by roughly 50% and improving call center efficiency

🎓 EDUCATION

📅 2001 – 2005

Electrical Engineering | Bachelor of Science (B.S.)
University of Virginia

⚗️ KEY SKILLS

Ruby
JavaScript (ES6+)
Python
TypeScript
C/C++
Java

Rubygems
Rails
RSpec
Rake
Sinatra
Capybara

npm
Node.js
React

PostgreSQL
Redis
ElasticSearch
MySQL

RESTful APIs
OpenAPI
GraphQL

Segment
DataDog
Apache Airflow

Git
GitHub
GitLab
Apache HTTP Server
Nginx
Terraform
Ansible
Puppet
Docker
Kubernetes

Amazon Web Services (AWS)
Google Cloud Platform (GCP)

PROJECTS

2009
Principal Developer
ANLTR3 for Ruby
- 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.