PAUL RONDEAU

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❯ EDUCATION

UNIVERSITY OF WATERLOO: Bachelor of Applied Science Computer Engineering 2016

❯ INTERESTS & ACTIVITIES

TECH: Scalable Distributed Systems, Serverless Architecture, Product Design, Game Theory, Databases, IndieHackers, Product Hunt

HOBBIES: Snowboarding, Reading, Travel, Podcasts, Music Discovery, Movies, Outdoors, Cooking, Concerts, Weight Lifting, Basketball, Board Games

BOOKS: When Breath Becomes Air, GEB, Dreams from My Father, Demian, Obstacle is the Way, The Black Swan, The Trial, Norwegian Wood, The Three Body Problem, The Master and Margerita

❯ VOLUNTEER

TECH MENTOR: Mentored an Engineering Resident (Intern-like role) at Google for 5 months

ENGLISH TEACHER: Led weekly advanced English courses for a group of Czech and international students

❯ SKILLS

PROGRAMMING LANGUAGES: JavaScript/TypeScript, C#, Python, Scala, Java, Docker, Terraform, SQL (MySQL, MSSQL, Postgres, Cloud Spanner), noSQL (MongoDB, Cassandra, Redis), Bash

TOOLS & FRAMEWORKS: Kubernetes, GCP/Firebase, gRPC, React, Node, Next.js, Vue.js, TailwindCSS, Ant.Design, Django, Flask, SASS, Git, Serverless

MISC: Full-Stack, Infrastructure, API Development, Distributed Systems, Unit & Functional Testing, CI/CD (Spinnaker), Build Systems, Analytics, Product Driven

❯ EMPLOYMENT

Kaggle, Google (https://kaggle.com)   Remote / Seattle, WA
Software Engineer III   Jan 2019 - Present

- Core contributor in establishing modern CI/CD practices at Kaggle. Configured deployment platform, Spinnaker, and created various deployment templates via Terraform for all teams to use to deploy and test their services.
- Consolidated and modernized Kaggle logging and monitoring practices. Configured Stackdriver agents to monitor and collect Kubernetes node/pod data that could be visualized and alerted upon. Added structured logging to all Kaggle services to enable JSON key/value pairs of information to be used for filtering in Stackdriver.
- Designed and implemented an improved Data Viewer service for Datasets using C#, .NET, gRPC and deployed on Kubernetes.
- Improved Kaggle's developer experience from a local, Windows only setup to a Linux, remote friendly environment that require minimal user setup.
- Team was fully remote spanning global timezones.

Nest, Google (https://nest.com)   Palo Alto, CA
Software Engineer II/III   Aug 2016 - Jan 2019

- Core contributor on Google Nest Account merge. This involved integrating legacy Nest services with modern Google Authentication systems. Wrote public APIs in Scala/Finagle for the Nest backend which would communicate over gRPC to a Java backend running in Google infrastructure. Heavy integration work with Apps/Web teams to coordinate API development.

- Designed, developed and deployed the first service at Nest to run on Kubernetes. Led the development/integration of a new Continuous Integration and Deployment System (CI/CD). Set up multiple testing/canary analysis tools/pipelines to gate releases, ensuring high quality and stable builds were being pushed to production. This improved deployment times from over 2 weeks of manual effort and testing, to under an hour, in a completely automated fashion. This work was used as the model for all deployments and migration efforts going forward at Nest.
- Created probing framework to monitor latencies, availability and functionality of a new Database service (on top of Spanner) that all Nest data was being migrated to. Developed in Java and deployed on Kubernetes (GKE) via Spinnaker (CI/CD).

Milq (https://milq.com)   Toronto, ON
Software Engineering Intern   Sept 2015 - Dec 2015
- Full-stack web development using Javascript, Node, Redis, MongoDB, and React.
- Created cross-platform player; including Youtube, Soundcloud, Vimeo, Vine, Instagram and Bandcamp APIs.

Nest, Google (https://nest.com)   Palo Alto, CA
Software Engineering Intern   Jan 2015 - May 2015
- Implemented internal tools dealing with large scale data manipulation and processing built on Node for real device data.
- Consolidated testing suites into one web-based dashboard using Python.

> PROJECTS

Indie/shops (https://indieshops.co)
- Virtual window shopping for independent stores across the internet.
- Built with Typescript, Vue.js, Nuxt.js, Zeit/Now, Firebase, MaterialUI, and Mailchimp.

Forty (https://forty.app)
- The world's simplest time tracking app.
- Built with Typescript, React, Next.js, Zeit/Now, Firebase, Stripe, TailwindCSS.

TikTok Analytics
- Built a system to track user and post statistics by scraping public TikTok data.

Referrist (https://referrist.com)
- Developed a referral system for content creators (YesTheory, 5M subscribers) to grow their newsletter audience (https://yestheory.com).