

Andrew R. Jones

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Profile

I'm a full-stack software engineer with a passion for problem-solving and with experience primarily in the Ruby and JavaScript ecosystems. I co-created Gander, an open-source review app solution that automatically deploys a full-stack preview application with every pull request.

Experience

Co-Creator & Software Engineer, *Gander*

2021

gander-framework.github.io 📄

- Co-designed and built system architecture, spanning from the Gander CLI to GitHub and Amazon Web Services
- Co-designed AWS infrastructure, researching features and evaluating tradeoffs with respect to ECS Fargate, Amazon Elastic File System, load balancers, and public vs. private subnets
- Automated creation and modification of AWS infrastructure with bash scripts, injecting some into GitHub Actions
- Led routing implementation, including AWS application load balancer, target registration, and CNAME records
- Led writing and testing of Python/Django sample app and its containerization with Cloud Native Buildpacks
- Defined problem space and researched market space for drop-in review app solutions
- Established design goals and selected appropriate technologies, esp. GitHub Actions, Docker, and Buildpacks
- Co-authored technical case study exploring Gander's design challenges and solutions

Software Engineer, *Freelance*

2018 – 2021

- Cello: Trello-like collaboration app built for MongoDB with a Node/Express backend and a React/Redux frontend
- RequestTub: React/Express app for capturing and monitoring webhooks, built using Socket.IO and with PostgreSQL storage
- Todos: Sinatra todo management app, built for PostgreSQL and using Erb

Teacher, **Advanced Physics & Engineering**, *Hays CISD*

2013 – 2021 | Buda, TX

- Teacher of the Year Nominee; selected 14 times by a student from the Top 10% as their most influential teacher
- Launched high school robotics program; Coached UIL state finalist robotics team

Skills

Languages

JavaScript, Ruby, SQL, HTML, CSS, Go

Frameworks

React.js, Express.js, Sinatra, Ruby on Rails

AWS Cloud

Amazon VPC, Amazon ECS, AWS Fargate, Elastic File System (EFS), Elastic Container Registry (ECR), Application Load Balancer, IAM, AWS CLI, CloudFormation

Technologies

Docker, Git/GitHub, GitHub Actions, Cloud Native Buildpacks, HTTP, WebSocket, PostgreSQL, MongoDB, REST APIs, Redux, Heroku, Handlebars, Erb, Shell Scripting

Education

Launch School

2020 – 2021

Multi-year software engineering program focused on core skills for career longevity | launchschool.com/employers 📄

Ph.D., **Ancient Hebrew Linguistics**, *University of Toronto*

2008 – 2013 | Toronto, Canada

M.A., **Christian Studies**, *Regent College*

2004 – 2007 | Vancouver, Canada

B.S., **Computer Engineering, with distinction**, *Purdue University*

1997 – 2001 | West Lafayette, IN