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Louisville, KY 40291

July 17, 2024

Animoto  
New York, NY

To whom it may concern,

I am writing in application to the position of cloud DevOps/infrastructure engineer at Animoto. In what follows, I'll explain how my background in DevOps development would contribute to working with your team in New York.

While at Venminder, I built .NET applications in a performant CQRS architecture, deployed them using ECS, Fargate, and AWS CloudFormation as an IaC solution; leveraged my skill in building database queries to bring significant cost and performance improvements to our database queries after our company migrated from SQL Server to PostgreSQL; suggested cloud improvements including the introduction of alpine images and multi-stage builds to improve image size and security, and effected changes in our communication structure to bring about a closer collaboration between developers and QA.

As a full-stack C# .NET developer on the DevOps application team for Waystar, a health care solutions company that automates connecting patient and insurance provider information for hospitals, I pioneered refactoring and converting several .NET framework services into containerized .NET core apps running in Docker, led training on using YAML for Azure DevOps pipeline configuration, and set up around 20 team projects in Azure DevOps server, for which I also contributed to and streamlined the documentation. In my previous role on the architecture team, I contributed to a company-wide .NET framework testing application for new prospective employees. In that role, I improved our web layout for smaller screens using Flexbox, CSS Grid, and media queries, wrote Ajax requests to send and receive data from our backend servers, and brought our HTML code in line with semantic HTML standards. On the back-end, I normalized SQL databases, modeled different business domains in both SQL database tables and C# classes mapped to these via the Entity Framework ORM, and performed queries in both SQL and LINQ.

I hold a PhD in philosophy, specializing in logic from Fordham University. My dissertation traced the earliest development of the concept of formal consequence in late medieval logic, demanding broad knowledge of the history of philosophy, of medieval Latin, and of semantics for classical and non-classical logics as well as expertise with translating between natural and formal languages. Since 2014 I have published an edited volume and numerous journal articles and book contributions in ontology, the philosophy of logic, and the history of science,

and presented papers introducing new results in logic, semantics, and medieval philosophy across three continents. This background has provided me with a deep knowledge of the principles behind functional programming, recursion, database normalization, and other fundamental programming concepts upon which to build in my programming work.

The above skills answer directly to the need for proposing and implementing significant improvements across AWS and other clouds that would benefit this position best. In addition to the above, I encourage you to take a look at my portfolio of over 300 projects at [my GitHub page](#). A copy of my resume with my contact information is prepended to this letter. Should you consider me for the cloud DevOps/infrastructure engineer opening, I would be happy to hear from you.

Kind regards,

Jacob Archambault