

KEVIN PHAN

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I'm an aspiring entrepreneur who loves to build Web Applications, backend infrastructure and cloud infrastructure.

EDUCATION

2014 - 2017	B.A (Specialized Honors), Computational Physics & Econ - York University (Magna Cum Laude)
2017 - 2018	Graduate Certificate, Data Analytics, Big Data & Predictive Analysis – Ryerson University
2021 - 2023	AWS Certified – Solutions Architect & Cloud Practitioner EDX Certification - Intro to Kubernetes

TECHNICAL SKILLS

N/A

- Experience with *MySQL*, *PostgreSQL*, *Redis*, *Snowflake*, & *ElasticSearch*.
- Gained valuable experience with *Kubernetes*, *Helm*, *Kustomize* and *FluxCD*.
- In depth *Python* development background. This also includes unit / integration testing with *pytest* & *selenium*.
- Extensive experience in AWS tools such as S3, MWAA, RDS, Lambda and Terraform .
- In depth knowledge of web dev tech such as *Dash*, *Node.JS*, *React*, *Gunicorn*, *Nginx*, *Docker* and *Dokku*.

WORK EXPERIENCE

10/2021

Data Engineer – VTS (View The Space) (Toronto, ON)

- Spearheaded infrastructure and deployment of *Airbyte* which has been integral in running production pipelines.
- Developed a micro-service for users to query & return matches for VTS properties with GRPC.
- Developed *Meltano* & *Airflow* jobs that are responsible for feeding key data to snowflake and *DBT*.
- Involved in upgrading EKS clusters and deployed applications using *Helm* and *Kustomize* paradigm.
- Involved in the early stages of *terraforming* our snowflake objects & switching to more IAC paradigm.

02/2019–

10/2021

Plotly (Montreal, QC)

● **Software Engineer - Dash Core (02/2019 – 09/2019)**

- Developing production Web Apps in python / JavaScript and deploying to single node servers.
- Responsible for integration testing, implementing new features in *DashR* and building the first web applications under the *DashR* framework (can be viewed at <https://dash.gallery/Portal/>).
- Played a major role in creating user documentation for *DashR* users. (Can be viewed at <https://dash.plotly.com/r/>).
- Created a *React/NodeJS* website & embedded a Dash App with *JWT*; Plotly's first example without *IFrames*.

● **Software Engineer – Dash Solutions (09/2019 – Present)**

- Lead of *Dash Live Weekly* and speaker at the *CSCDS Data Science Expo*.
- Created custom web apps for clients using *ReactJS*, *Dash*, *Flask*, *Node*, *Redis*, *Celery* and *Kafka*.
- Built backend infrastructure for applications, used technologies such as *Postgres*, *Redis*, *Kubernetes* and *Docker*.
- Lead projects with cloud migration (AWS: S3) & custom app development with fortune 500 companies.
- Additional technologies used include *GraphQL*, *Apache Livy*, *MySQL*, *Snowflake*, *Databricks*.

07/2018–

02/2019

Data Engineer (Machine Learning) – Wavemaker (Toronto, ON)

- Created (un) supervised & reinforcement ML algorithms for predictive modelling, clustering analysis and classification learning techniques in *R* and *Python*.
- Created a full stack app using node.js for API calls and callbacks.
- Built ETL / ELT data pipelines for Molson & Mitsubishi & GroupV Media.

PROJECTS & VENTURES

10/2021

Founder – Apoline (apoline.io)

- *Apoline* is a data and technology startup that specializes in providing companies with data centric web application and ML / AI services.
- The startup has been self-funded thus far with client engagements with *BOGO* and *Trainer+*.

To Whom It May Concern:

It is our honor to submit a letter of reference for Kevin Phan and to testify to his outstanding abilities that would serve well for this position. We, the Program Director of Engineering, Architecture and Science and Academic Coordinator, respectively, have come to know Kevin well during his studies in the Graduate Program in Data Analytics, Big Data and Predictive Analytics. Kevin is an outstanding student who produced excellent big data analytics applied analyses. He technically executed innovative and forward thinking while working on machine learning and analytic projects dealing with real workforce data sets. Kevin's most valuable assets are his professionalism, presentation and communication skills. This was shown in his presentation of an in-depth analysis of a customer churn data set where Kevin was able to convey his findings in a clear and concise way in front of numerous PhDs and leading Data Science professors. His analytic abilities coupled with his professionalism and well-spoken manner leads us to strongly believe that he would be a great asset to your organization.

Kevin has an undergraduate degree in Physics & Economics. He also possesses experience as he has worked at the Royal Bank of Canada where he was applied his skills and knowledge. It is an honour to witness his big data analytics mastery attainment at Ryerson University. We attest to Kevin possessing the following attributes, skills and abilities:

Programming Skills ~~R~~ JSON, SAS, SQL, Hadoop, Hive, Pig, Oozie, Spark, Sqoop, XML, Regular Expressions

Software Expertise ~~W~~ EKA, MongoDB, XML, Tableau, IBM Watson, HortonWorks, HBase

Theoretical Knowledge ~~A~~ Advanced Statistical Tests & Methods, Machine Learning Classification Algorithms, Advanced Mathematics, Finance & Financial Applications programming concept and theory.

Kevin's attention to detail, ability to think outside the box and most importantly, his will to learn and adapt will make him an invaluable asset to your organization. Please do not hesitate to contact us for further information.

Sincerely,



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