

TAMANON VIRULHAKIEAT

Principal Engineer

INFO

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LINKS

[Github](#)

[LinkedIn](#)

SKILLS

Agile Methodologies



Cloud Computing



Database Design



Database Management



node.js



GraphQL



REST API



React.js



Typescript



PROFILE

Full-stack software engineer with eight years of experience working in various tech fields (I.E. workplace health and safety, e-commerce, data mining and analytic). I am seeking new challenges to further my technical growth and fully utilized my expertise toward organizational success. Currently, I am working as a principal engineer on various internal and client teams as a consultant to deliver secure and reliable software solution and architecture that will impact their respective market.

EMPLOYMENT HISTORY

Senior full-stack software engineer, Versett Inc

Toronto

Jan 2018 — Present

- Moved from Calgary to Toronto to start Versett's Toronto office played a significant role to the growth of the Toronto engineering team by mentoring member on Database design and API architecture to help them be a more generalized specialist in full-stack engineer role; each member now contributes as a full-stack engineer in different co-locate team contributing in roles such as Dev-ops, API engineer, and Front-end engineer.
- Consulted on a workplace health and safety startup company with a customer throughout North America; helped provide a scaleable GraphQL micro-service architecture; focus on future team growth and shorten time to market of new features.
- Completed one of the most complex projects Versett has landed; as a principal engineer, I oversee the architecture and implementation of a time-sensitive notification / alert application that detect and notified of any malicious event occurring to remote hardware deployments. The team overcame the challenges of data size and unreliable network with a queue based cloud infrastructure and delivered the project on time with additional features.
- Recently completed a technical proposal for a potential client in the insurance industry to design and implement a cloud base API that supports a legacy software that has a consistent offline cycle via the adoption of cloud computing, and a No-SQL database.

Agile Project Management



Amazon AWS



C# .NET



DevOps



Python



CI/CD



- Lead the charge of new tools and workflow adoption such as CircleCI, Github Action, de-risking workflow, and technical proposal template.
- Currently, help out other disciplines within the company as a consultant to derived technical scoping and de-risking on various prospect client project with a focus on future growth and internal maintenance by client tech team after the initial product launch.

Full-stack software engineer, Versett Inc

Calgary

May 2017 — Jan 2018

- Worked on a large scale white-label boarding SPA as a back-end technical lead focus on solutions for various problems surrounding user experience customization; the end-product is a configurable application architect around run-time transplantation of JSON to JavaScript components.
- Played a major role as a full-stack engineer in developing and launching a complex E-Commerce SPA that allows the user to do 100+ configurations per product within a 6 month period.
- As a recently promoted senior engineer on an e-commerce app from a ground-up for one of the largest appliance company in Canada. On the same e-commerce project, integrated third-party software to monitor, failure recovery, and user notification (I.E. netdata, logDNA).

Application developer, XI Technologies Inc

Calgary

May 2014 — Jul 2017

- Lead a data-mining project from both public and private sources to create prediction models based on user interest. The project risk is a large data set from various sources required to analyze. The team uses F# and document storage to create a complex yet extremely flexible data processing pipeline with a basic version mapping logic to never cause the same error twice.
- Research into various web technologies such as Angular JS, Vue JS, F#, Node.js, MongoDB; resulting in various technical adoption proposal which enables the team to adopt and integrate into legacy products and prevents technical debt during my tenure at XI.
- Spearhead the architect and implementation of a server-less GIS application using multiple open source technologies as well as .NET and Google Map API to provide clients with real-time location data visualization.
- Introduce and integrate agile methodologies to engineering department with the adoption of SCRUM, the department saw a reduction in turn around time to ship our feature to users as well as a steady five percents increase in customer satisfaction.

Data engineer, XI Technologies Inc

Calgary

May 2013 — May 2014

- Worked as a Database Administration and Architect using multiple SQL and No-SQL databases such as but not limited to PostgreSQL, SQL Server, and B-Trieve (Binary Tree Document Storage).
- Design and Implement a data processing framework that power all the web applications; with the focus on increasing data integrity and reducing the total processing time.
- Responsible as a principal engineer on a large scale data analytic SPA project using multiple JavaScript and .NET libraries including but not limited to Angular, jQuery, Kendo.JS, D3.js.

EDUCATION

Bachelor of Applied Science, Software Engineering, University of Calgary

Calgary

Sep 2008 — May 2013

REFERENCES

References available upon request