

Shameer Hasan

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Senior Systems Architect

I always wanted to be a leader, and work for a progressive company who leads in its industry. In order to be a leader, I want to learn and consume as much knowledge I can get my hands on. My passion is definitely open source. As my desire to be a leader, I joined Beanfield, a leading independently owned telecom corporation that has always led the big 3 in any market we enter. We currently have very satisfied customers that just can't say enough about us. We have pivoted to implement a network that rivals the big 3, and still provide individual customer support to each of our customers. We continually invest in our network as well as people who helped shine through for our customer in things like my.beanfield.com. We have launched up to 8 GB services that are the envy of the big 3. This ability to lead through innovation is exactly why I joined Beanfield.

Summary of Qualifications

- **Web Platforms:** Magento Community edition.
- **Web Environments:** Apache, Nginx, Redis, Mysql, MariaDB, MongoDB, PostgresDB
- **Web Infrastructure:** Bash scripting, Cloud architecture (AWS), Load balancing, High Availability, platform design, Cache strategies, Lambda, DynamoDB
- **Languages:** Python 3.5+, Nodejs, PHP 5 and 7
- **Web:** VueJS, ReactJS, HTML, DOM, XML, CSS
- **Frameworks:** Pyramid, Flask, AioHTTP, Magento, Cake
- **Agile Development:** Certified Scrum Master (former), Scrum and agile processes
- **Communications:** Team training, Team building, organization, client requirements understanding and translation, documentation, "wrangling" various teams in order to achieve project goals.
- **Management:** Worked with, and mentored junior team members, and guided the approach taken by the development team on multiple occasions to achieve company objectives and manage crises external to the company that affected us.

Professional Experience

Beanfield Metroconnect

Staff Software Engineer/Senior Systems Developer

November 2020 - Present

- **Technical Proficiency:** Python 3.5+, NodeJs, RabbitMQ, VueJS, Pyramid, Linux, docker, Lambda, VueJS, NuxtJS, JQuery, HAProxy, Nginx, supervisord, Ansible, JenkinsTargetProcess, Docker and podman containerization, Airflow.
- Architected solutions in order to supercharge automated re-provisioning of equipment without further manual intervention. This helped supercharge a backend equipment rollout allowing us to deploy 8 gigabyte services to many customers.
- Updated and built new applications in order for beanfield employees to support all internal operations such as Network operations, Server operations, VOIP management, IPTV management, customer support management etc.
- Various web based software was built in order to monitor, support and track all network assets deployed throughout Toronto and GTA, Vancouver and Greater Montreal Area.
- Coordinating with stakeholders in order to bring targeted solutions that increase productivity by over 200%.
- Coding level technical interviews conducted to hire new team members

- Maintained an open door policy to allow the new team member to be just as productive as the oldest team members.
- Architected solutions to make sure E-911 systems are reliable and trouble free. Also added ability to debug and find issues (if any crop up) much faster than before.
- Added ability to check live status of all equipment on customer level that takes details directly from the customer connection circuits. We did this with only 10% additional system resource usage over 100's of customers.

MaRS Discovery District
August 2019 – November 2020
Python Web Developer

- **Technical Proficiency:** EC2, Lambda, ECS Fargate, SQS, SES, VPC, Elasticsearch, Solr, Linux, docker, Lambda, AWS Amplify framework, serverless framework, Python 2.7 and 3.7+, NodeJs, ReactJS, RQ library (Redis based queue), Flask.
- Build and maintain AVIN's data catalog (future launch).
- Support various SaaS platforms and integrate between them
- Helped with a new application we are putting together in order to support more seamless user experience (actual details are NDA).

Nextopia Software Corporation Inc in Toronto, Ontario
June 2015 – July 2019
Senior Software Developer

- **Technical Proficiency:** Flask, EC2, Lambda, ECS Fargate, SQS, SES, VPC, PHP 5 and 7, Python 2.7 and 3.5+, NodeJs, ReactJS Scrum Master, Celery, Elasticsearch, Linux, docker, Application Load balancer, Network load balancer
- Build and maintain SAAS service application for multi-tenant high traffic api/hosted solutions. Handling small scale enterprise sites' content solutions.
- Support feature development, dev-ops, cloud migration, emergency situational management etc.
- Helped rebuild parts of data import/management system built in php 5 in order for it to scale to handle 100's of clients from its then limitation of about 70.
- Helped design architecture of deployments related to making the search application more friendly to cloud native concepts such as horizontal scaling ability as native approach rather than an afterthought.
- Built and designed infrastructure for new applications and for large scale deployments across the globe.
- Built ACL capabilities to existing client dashboard in order to support multiple accounts, users, with permissions to various features.
- Built out highly scalable architected solution for indexing new core system for the search solutions.

Keek Inc in Toronto, Ontario
September 2014 – May 2015
Web Developer

- **Technical Proficiency:** PHP 5, MongoDB, JQuery, JQuery UI, Prototype, Team Task management, Ajax based web UI design and development, Phalcon framework
- Build and Maintain Web applications (Hi availability websites, apis for apps etc) using PHP in high availability multi-server environment.

- Support apps development for various app platforms
- Develop various features for a high availability and high traffic video platform.

Thane Direct Canada in Mississauga, Ontario

September 2010 – August 2014

Web Developer

- **Technical Proficiency:** Magento, PHP 5, MySQL 5, JQuery, JQuery UI, Prototype, Team Task management, Ajax based web UI design and development
- Build and Maintain Web applications (Ecommerce, Payment Gateways etc, Shipping APIs, SOAP) using PHP in the Magento Platform.
- E-commerce back office functionality programming in PHP with Cake framework
- Interaction with multiple APIs, using formats such as XML, CSV, EDIFACTS etc.
- Magento platform launch project to replace current ecommerce infrastructure.

9thsphere Inc. in Richmond Hill, Ontario

June 2007 – August 2010

Lead Web Developer

- **Technical Proficiency:** PHP, HTML, XHTML, JavaScript, XML, XSLT, UNIX, Linux, Apache, MySQL 4 and 5, Google Analytics, Wordpress, Joomla, JQuery, FedEx API, Canada Post API.
- Architect and build web applications (PHP, CMS, Ecommerce, Payment Gateways etc, Shipping APIs, SOAP).
- Some experience with third party applications like Wordpress, Joomla etc.
- Built database driven (Mostly Mysql, but also MSSQL) web applications.
- Improved internal operations in order to raise quality without raising costs.
- Manage Linux development environment from small scale deployments to High capacity Server deployments and management.
- Experience developing frameworks (similar to Zend, Cake etc.)

Ministry of Health and Long Term Care, IT Procurement Section in Toronto, Ontario

February 2007 – June 2007

Business Software Intelligence Specialist (Contract)

Canadian Tire Corporation (CTC), Extreme Makeover Project in Toronto, Ontario

December 2006 – February 2007

Technical Consultant (Contract)

Canadian Tire Corporation, Extreme Makeover Application Rationalization Team in Toronto, ON

June 2006 – August 2006

XP Deployment Specialist (Contract Employee)

Education

Ryerson University – Toronto, Ontario, Canada

September 2002 – December 2006

Bachelor of Science – Computer Science

- Cycle (SDLC) including process modelling, requirements analysis, technical documentation and software planning strategies.
- Received knowledge on concepts of designing, optimizing, and testing relational database management systems.
- Extensive experience in web design technologies such as **PHP**, **JSP**, **Java Servlets**, **XML** and **XSLT**.