

Nikolay Karpenko

Software Engineer

21 Iceboat Terrace, Toronto, Ontario, Canada
Contact number: (647) 926-1837 | Email: nick.karpenko@gmail.com

Qualifications

- Specialize in designing + coding RESTful Go lang CRUD applications + microservices and architecting infrastructure within AWS & Digital Ocean
- Solid understanding and extensive experience with Go lang, GraphQL, PHP (Vanilla, Laravel, Symphony), Perl, Python, C++, Redis, Memcache, MongoDB, Postgresql,
- MySQL, Elastic Search, LEMP, LAMP, Node, Digital Ocean, AWS: CFN, EC2, S3, SQS, ASG, DynamoDB, ElastiCache, RDS
- Extensive experience with third party libraries and API integrations
- Ability to develop distributed and high availability applications in clustered/microservice based environments
- Solid understanding of networking fundamentals
- Extensive full stack experience with CMS/CMFs: WordPress, Shopify, Drupal
- Extensive experience with the configuration, security, hardening, and maintenance of Linux distributions Ubuntu 12.04-22.04+ LTS, Redhat Enterprise 6+, and CentOS 6+
- Proficient understanding and experience with administering MariaDB / MySQL / Postgresql / MongoDB databases for standalone, replicated, and clustered environments
- Proficient understanding and experience with cloud based environments: AWS, Azure, GCP, Digital Ocean
- Administrative knowledge and experience with Windows Servers 2008-2012+
- Ability to communicate clearly, work accurately, efficiently, and build strong team relationships
- Commended for strong work ethics, problem solving skills and positive outlook
- Web design portfolio can be discovered at <https://nickkarpenko.com>

Experience

Playlog Media Inc. (April 2021 - Nov 2023)

Principal Software Engineer

- Focused on scaling the backend REST APIs for both Go/PHP Laravel and extending video upload (tus) and rendering (ffmpeg) services within our internal infrastructure.
- Implemented the whole stitching + video rendering process utilizing Ffmpeg for our video editing services while increasing render quality/decreasing render time.
- Implemented collaboration tooling for multiple users to edit video at the same time, leveraging MLT + Ffmpeg for rendering + templating.
- As the team lead, managing a team of 3 backend engineers, 1 QA and 2 Devops personnel.

Remine Inc. (Jan 2020 - Nov 2020)

Senior Software Engineer

- Designed and implemented an E2E behavioural testing suite for the back end services using Go Convey (BDD) which ensures stability and backwards compatibility for future releases.
- Work with languages and tools such as Go, GraphQL, PHP, JS, RDS Postgresql, Kubernetes + Docker, and RabbitMQ to build and design a highly available and performant real estate platform as a service which

houses more than 50k+ agents

Acquia (Sept 2018 – Jan 2020)

Software Engineer

- Optimized our Elasticsearch infrastructure to save the company 6 figures yearly.
- Leverage languages and tools such as Go, Python, MySQL, Postgresql, Elasticsearch, and SQS within AWS to build a highly available and performant engine to push, search, syndicate, and enhance shared content in order to deliver engaging and targeted experiences to end users.

Evoke Solutions (May 2017 – Sept 2018)

Full Stack Developer

- Maintain, optimize, and extend SEO for leading sites, increasing traffic by 10% overtime
- Build a WordPress add-to-calendar plugin, increase event RSVP's by 5-15%
- Contribute to custom WP themes that help developer increase productivity
- Developed a site plan module to generate leads for furniture and condo sales
- Helped contribute to enterprise client onboarding solutions in react + redux

Coinbio.com (May 2017 – Oct 2020)

Full Stack Developer

- Personal project with 500 pre-registered users before launch
- Successfully managed 400M cryptocurrency records with MongoDB
- Reached 4000 monthly users within 6 months of launch
- ~\$10,000 USD of digital assets exchanged through the site utilizing Changelly's API

SiriusXM Canada Inc. (May 2016 – Dec 2016)

Intern - System Administrator

- Successfully managed and supported 200 users on a daily basis
- Successfully managed 30+ servers in a clustered environment
- Successfully migrated and restructured a failing production environment
- Created an automated company solution for displaying important supply chain information to users

Freelance / VezaDigital Ltd. (March 2016 – May 2017)

Full Stack Developer / Freelancer

- Successfully reconstructed 7 production environment sites increasing conversions by 3-15%
- Engineered a social community platform with LEMP stack horizontally scalable to house millions of users
- Reconstructed 2 stores on shopify, which increased conversion rates by 2-5% and site duration by 50-100%
- Reconstructed SEO and design on 4 sites using wordpress, which increased unique visitors by 10-30%
- Portfolio can be discovered at <http://nickkarpenko.com>

RankWyz (Jan 2016 – May 2016)

Back-end Developer

- Developed back-end functions for SEO automation software in a multi-site environment
- Developed back-end functions for the PBN automation software and API in a multi-host environment
- Overall application maintenance and optimization lead to an increase client base by 200 users
- Administered a clustered server environment for application processes

Education

Seneca College (2014 – 2017)
York University (2010 – 2012)

Computer Programmer Diploma (Completion: April 2017)
Mathematics for Education and Physics