Aleksandr Bezobchuk

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Employment

Axoni	Senior Software Engineer	March 2017 - Present

- Design and implement strategies for automating the deployment, configuration, and monitoring of private blockchain infrastructure in the cloud using Kubernetes, Ansible, Prometheus, Grafana, and Golang.
- Maintain and improve performance of managing blockchain state via Merkle-Patricia Tries using Golang.
- A core contributor to architecting and implementing a complete redesign of the private and permissioned blockchain consensus workflow by using pluggable pipelines in Golang.
- Design and implement core microservices that support and facilitate private and permissioned p2p blockchain network bootstrapping and management using Golang.
- Improve throughput, performance, and scalability of the private and permissioned blockchain by a factor of 6x message processing by implementing chain state parallel processing and merging.

Homer	Senior Software Engineer	September 2016 - March 2017

- Lead design, architecture, and implementation on Homer's Merchant software that provides a turnkey solution for customers to manage all of their customer orders in a consolidated and robust interface while integrating with numerous platforms.
- Implement and design various API and web automated ordering platform integrations with vendors including Seamless, Grubhub, Delivery.com, OLO, and DoorDash using Ruby and Golang.
- Implement and design service-oriented applications in Golang that solve various challenging logistical, operational and technical problems.
- Assist in infrastructure design such as distributed cloud-based storage, container management, CI/CD, and cloud-based application provisioning in Google Cloud and AWS.

Jibe	Software Engineer	November 2013 - June 2016

- Contribute to architecting and developing a multi-tenant integration system responsible for distributed and scalable ETL processes using an AWS stack composed of EB, S3, SQS, RDS, and SWF.
- Designed and implemented a RESTful ATS authentication proxy service (wrapping various ATS APIs) using Node.js/Express, MySQL, Redis, and Swagger, that allowed candidates to authenticate, register, and recover ATS credentials.
- Architected and implemented a RESTful PeopleSoft ATS job messaging proxy microservice responsible for authenticating clients, validating messages, and publishing messages to RabbitMQ, using Node.js/Express, RabbitMQ, and Swagger.

Education

University of Maryland	College Park, Maryland	August 2009 - December 2013

- Bachelor of Science in Computer Science
- Undergraduate Coursework: Network Security, Android Application Development, Algorithms Design & Analysis, Discrete Mathematics, Data Structures, Software Engineering Principles, Bioinformatic Algorithms, Artificial Intelligence, and Computer Systems

Technical Skills

Languages: Golang, Ruby, Python, JavaScript, Java
Tools/Frameworks/Cloud: Git, Kubernetes, Docker, Sinatra/Rails, Node.js, GCE, and AWS
Databases/Messaging: PostgreSQL, MongoDB, Redis, and RabbitMQ
Software Development Processes: Agile (Scrum and Kanban)