

Aleksandr Bezobchuk

abezobchuk@gmail.com | abez.xyz | github.com/alexanderbez

Employment

Axoni	Senior Software Engineer	March 2017 - Present
<ul style="list-style-type: none">Designed and implemented strategies for automating the deployment, configuration, and monitoring of private blockchain infrastructure in the cloud using Kubernetes, Ansible, Prometheus, Grafana, and Golang.Maintained and improved performance of managing blockchain state via Merkle-Patricia Tries using Golang.A core contributor to architecting and implementing a complete redesign of private and permissioned blockchain consensus protocol by using modular and pluggable pipelines in Golang.Designed and implemented core microservices that support and facilitate private and permissioned p2p blockchain network bootstrapping and management using Golang.Improved throughput, performance, and scalability of private and permissioned blockchain by a factor of 6x message processing by implementing chain state parallel processing and merging.Designed and implemented block versioning to facilitate robust and flexible changes throughout the lifecycle of the blockchain using a factory pattern in order to avoid hard forks and chain resets for clients.		
Homer	Senior Software Engineer	September 2016 - March 2017
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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	BSc Computer Science	August 2009 - December 2013
<ul style="list-style-type: none">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, Java, JavaScript, Python, and Ruby

Tools/Frameworks/Cloud: Git, Kubernetes, Docker, Sinatra/Rails, Grafana, Prometheus, GCE, and AWS

Databases/Messaging: PostgreSQL, MongoDB, Redis, and RabbitMQ