

# Vladimir LOSKUTOV

## PERSONAL DATA

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ADDRESS: Germantown, Maryland, 20874  
 EMAIL: [vladimir@enginerd.io](mailto:vladimir@enginerd.io)  
 LINKEDIN: <https://www.linkedin.com/in/vloskutov>

GITHUB: <https://github.com/enginerd>  
 WEBSITE: <https://enginerd.io>

## SUMMARY

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Experienced Full Stack Developer with knowledge of Angular, NestJS, LoopBack, Express.js, and good practices to integrate multiple data sources and databases into a seamless system.

Experienced in development and maintaining software that is implemented in Python and using data warehouse infrastructure based on AWS services.

## SKILLS SUMMARY

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Programming Languages: JavaScript/TypeScript, Python, C/C++, Bash  
 Frameworks and Tools: Angular, NestJS, LoopBack, Express.js, Django  
 Databases: MongoDB, PostgreSQL, MySQL, Redis, SQLite  
 Web: HTML, CSS, Liquid, XML  
 AWS Services: EC2, S3, DynamoDB, RDS, Redshift, VPC, IAM, ElastiCache, Lambda, Parameter Store  
 Miscellaneous: Git, Docker, Jekyll, LaTeX

## WORK EXPERIENCE

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*Current*  
 FEB 2020

Senior Software Developer at AXLE INFORMATICS, Rockville, MD

- Implemented API wrapper with NestJS framework around OMERO API and OMERO CLI to provide ability to transform OMERO objects into internal company project objects and upload sample images from private shared directory to OMERO central repository
- Developed Angular components responsible for lab samples data management and which provide different layouts for tree representation and data grouping by different properties
- Built API with NestJS framework to operate with tree-based lab samples data structure, it provides ability to use different hierarchies (level sets), and it has role-based and user-based access control
- Re-implemented Node.js CLI app with oclif framework that processes 2d and 3d Electron Microscopy data to provide Client Credentials Flow instead of Authorization Code Flow and brings new client requested features
- Participated in upgrading legacy Angular app and back-end Node.js app: adaptation for supporting multiple databases (SharePoint and MySQL) through LoopBack Juggler; Angular components re-implementation according to client's requirements; REST API implementation with LoopBack framework

FEB 2020  
 JUL 2019

Software Engineer at BURSON COHN & WOLFE, Washington, DC

- Developed serverless app based on AWS Lambda (Node.js back-end), AWS Cognito, AWS API Gateway, AWS S3 (JavaScript front-end) to manage and collect records in DynamoDB for further data extraction and analysis by using AWS Glue and Amazon Athena
- Implemented Python package to work with NewsWhip and SimilarWeb APIs. Implemented report using this Python package to do NewsWhip and SimilarWeb data analysis

JUL 2019  
MAY 2017

Python DevOps Developer at BURSON COHN & WOLFE, Washington, DC

- Software development and maintenance that was oriented on social intelligence analytic using Django, PostgreSQL (Redshift), Facebook and Twitter API
- Automated AWS, including Automating Big Data processing with Python and Boto3
- Data Warehousing based on Amazon Redshift
- Reduced company's monthly bill for Redshift dramatically
- Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
- Supported and developed a Redshift report that generates hundreds of thousands of dollars of revenue per year
- Used Scrum development methodology and Test Driven Development

SEP-DEC 2016

Software Engineering Intern at VERIFEED LLC, Washington, DC

- Software development and maintenance that was oriented on social intelligence analytics using Django, Bootstrap
- Tools development and maintenance for generating reports using Django, PostgreSQL, Git
- Agile Development and Test Driven Development

MAY 2015  
SEP 2014

Junior Network Engineer at ANGSTREM-TELECOM, MOSCOW, Russia

- Tested of embedded network devices (SoC RTL89xxC) based on OpenWrt and Octopus using Bash, iptables
- Found and fixed bugs and maintained C/C++ code using Git
- Worked with RTL8188C[CU]CUS, RT8192C[CU] wifi chips, RS-232 interface, U-Boot bootloader
- Debricked routers using JTAG, Serial console
- Fixed web interfaces using HTML, CSS, JavaScript
- Wrote documentation for network equipment using MS Office

AUG 2014  
JUL 2011

Technical Specialist at LTD. QDGROUP, MOSCOW, Russia

- Provided support for local office network in working condition and set up of office software and equipment
- Configured and maintained Windows and \*nix servers, and other network equipment
- Experience of using RS-232, RS-485 communications (corresponding protocols) for debugging via serial console, debrick and firmware replacement of network devices
- Installed and maintained Apollo Security's Access Control and Alarm Monitoring System (APACS). Performed firmware replacement, configuration, and interaction for Apollo's controllers
- Configured and maintained PBX hardware and Asterisk PBX software

## EDUCATION

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JUNE 2015    **National Research University of Electronic Technology**, Moscow, Russia  
Master of Science Degree in Computer Science and Engineering

JULY 2013    **National Research University of Electronic Technology**, Moscow, Russia  
Bachelor of Science Degree in Electronics and microelectronics