

John Lilly

CSM[®] • PMI-CAPM[®] • Army Ranger • Eagle Scout
linkedin.com/in/johannlilly • github.com/johannlilly
Atlanta, GA

Top Skills

Solutions Architecture, Project Management JavaScript, Cloud, Python, SQL, Swift, Solidity

With experience in software engineering and project management refined by Army discipline, I bridge the semantic gap between business logic and technological solutions.

Professional Experience

5 years software engineering experience; 10+ years full-time work experience including military.

Software Architect @ Cognizant

Atlanta, GA; Jan 2020 – Present

IT Consulting JavaScript ES6+, Node, Vue, React, HTML, CSS, Google Cloud (GCP), Docker, Heroku

- Migrate 100+ campaigns across 3 Heroku web/server applications to GCP.
- Lead and direct software engineers and designers to design technical architecture.
- Collaborate with clients, product management, and UI team in an agile PM environment.

Full-Stack Developer → Technical Project Manager @ Woolf

Berlin, DE; Jan 2018 – Jan 2020 *

Political Consulting JavaScript ES6+, Node, Express, React, MongoDB, HTML, CSS, AWS EC2

- Hired, managed, and collaboratively coded alongside engineering team.
- Built multiple full-stack web applications from scratch on AWS Lightsail and EC2.
- Architected smart contract, database, back-end, front-end, DevOps, UX/UI, and security.

Software Engineer @ Aurora

Miami, FL; Sep 2016 – Dec 2017

Pathology Services T-SQL, Python, C#, SSMS, Jira, REST API, Git, big data, microservices, HL7

- Translated data using Python scripts between hundreds of remote client servers.
- Wrote and modified T-SQL stored procedures for custom Microsoft-based server tools.
- Designed, debugged, unit tested, and documented interfaces.

Intern → Web Developer → Full-Stack Developer @ Exceeron

Miami, FL; May 2015 – Aug 2016

Marketing JavaScript, jQuery, PHP, MySQL, HTML, CSS, Bootstrap, LAMP

- Integrated multiple APIs to build a complete Linux server tool.
- Constructed responsive client websites within custom CMSs from wireframes.

Military Experience

Infantry (Ranger, Airborne-Qualified) @ Army National Guard

Boston, MA; Dec 2018 – Present *

Education

MS Computer Science Bridge @ New York University

In progress

Mathematics For Credit Only @ Harvard Extension School

In progress

Data Analytics Certificate @ Cornell University

Aug 2017

BS Biology @ Palm Beach Atlantic University

May 2013

Biology Semester Abroad @ University of Edinburgh

Dec 2012

* Served on active duty orders for part of this time.

Additional five+ years of full-time experience (non-software engineering) and references available upon request.

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Technical Proficiencies

Paid work experience

Databases	T-SQL ("Transact-SQL / MS-SQL"), MYSQL, SSMS 2012-2016, MongoDB
Languages	JavaScript, Node.js, C#, Python 3.6, 2.7, Anaconda, Swift 5
JavaScript	ES6+, React.js, Redux, ExpressJS, Vue.js, Vuex, Nuxt, jQuery, JSON, Gatsby
Web	HTML 5, CSS 3, Bootstrap, XML, RESTful API
Cloud	Amazon Web Services (AWS): Lightsail, EC2, S3, SES; Google Cloud Platform (GCP) Heroku, Docker, Swarm, Kubernetes, Microsoft Azure
DevOps	Docker-compose, pm2
CI/CD	Jest, Jenkins, Jasmine, Karma
Blockchain	Hyperledger Fabric, Stellar, Ethereum (ERC20, ERC223), IOTA Truffle Suite (Truffle, Ganache, Drizzle)
IDE	Visual Studio, Visual Studio Code, Sublime, Atom, IntelliJ IDEA, Eclipse, NetBeans
OS	Windows 7 - 10, MacOS, iOS, iPadOS, watchOS, Ubuntu 16+
Version Control	Git, GitHub, GitLab, Bitbucket
Project Management	Agile, Atlassian, Jira, Confluence
Cryptocurrency	Lumen (XLM), Ripple (XRP), Ether (ETH), Bitcoin (BTC), IOTA, PRL

Bootcamps

Data Science	NumPy, SciPy, SymPy, PyTables, matplotlib, pandas, Jupyter, Numba
Computer Science	Artificial intelligence (AI), machine learning, deep learning, artificial neural networks
Libraries	Flask, Cufflinks, ZeroMQ, SymPy, IPython, Conda
Theory	Modern portfolio theory (MPT), mean-variance analysis, algorithmic trading
API	Thomson Reuters Eikon, Plotly, Oanda

Certificate in Quantitative Finance Institute (CQF) and The Python Quants (TPQ)

Licenses & Certifications

Microsoft Azure AZ-900
Certified ScrumMaster (CSM) Scrum Alliance
Project Management Professional (PMP) Project Management Institute (PMI) - in progress
Certified Associate in Project Management (CAPM) Project Management Institute (PMI)
Bloomberg Market Concepts (BMC)
Bloomberg Law
Certified Blockchain Developer Blockchain Council
Certified Smart Contract Developer Blockchain Council
Certified Solidity Developer Blockchain Council
Health Insurance Portability and Accountability Act (HIPAA) U.S. Department of Health and Human Services (HHS)

Keywords for the algorithm (based on experience)

business analysis, requirements analysis, customer relationship management, stakeholder management, business analysis, requirements analysis, software project management, agile methodologies, systems design, scalability, serverless architecture, enterprise architecture, solution architecture, machine learning, microservices, cloud services, cloud computing, CI/CD, RESTful services, responsive design, mobile application development, functional programming, integration, web services, web applications