# Spencer Pope

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## Education

**University of New Hampshire: Durham, NH**                                                       2015-2019
Bachelor of Science in Business Administration
Option in Information Systems and Business Analytics, Minor in Information Technology

**Beijing Language and Culture University**                                                        January 2019

## Skills

**Languages:** TypeScript, JavaScript, SQL, C#, Python, HTML, CSS, Shell/Bash
**Tools:** Node.js, ASP.Net, SQL Server, PostgreSQL, MongoDB, Docker, AWS, Google Cloud, Azure DevOps

## Experience

**Technical Lead: Blockchains Inc,** Reno, NV                                                      2021-2023
- Designed serverless GraphQL API layer with TypeGraphQL and integrated with GraphQL Codegen
- Managed state at local and global levels using React hooks and dispatched actions through useReducer
- Debugged issues in Node.js API and optimized database queries using Prisrna ORM
- Built reusable components for common functionality that scaled across several user flows
- Managed test environments with Kubernetes on self-hosted infrastructure
- Managed 6 engineers and delegated work based on skill
- Engaged in long-term planning of work for several months in the future
- Managed the team's methodology and facilitated all team ceremonies
- Managed the software technology stack and make architectural decisions
- Integrated backend services with web applications, developing in parallel several teams
- Collaborate with product managers to ensure proper implementation of features

**Applications Engineer: Definitive Healthcare,** Framingham, MA                                    2019-2021
- Built end-to-end features starting with data retrieval through dynamic SQL stored procedures
- Requested and processed data on the server with C# controllers
- Delivered data to the client through ASP.NET web pages
- Managed Node.js API to allow for data integration outside of ASP.NET standards
- Integrated React-based micro-features with .NET app via custom build process
- Migrated on-premise web and database servers to Azure cloud

**Product Management Intern: Sovos,** Wilmington, MA                          Summer 2018
- Studied Agile and Scrum methodologies implemented by several product teams
- Added scripts to nightly ETL for new clients

**Quality Assurance Intern: Instant Technologies,** Portsmouth, NH                                  2017-2018
- Quality assurance of virtual help desk instant messaging software and several other enterprise products

## Other

**Lead Frontend Dev for [Legendary Labs](#) startup**                                              2021-2022
- Bootstrap web app and company website from scratch
- Strategize implementation of graphic generation services with backend developers
- Orchestrate test environments in AWS
- Deploy to production with Cloudflare