932 Pomfret Road, Hampton, CT 06247 | (401) 793-6955 | matthewpiskunov@gmail.com **|** https://github.com/mpiskunov

Matthew Piskunov

SKILLS

- **Cloud:** GCP, AWS, Azure
- **Front-end:** HTML, SCSS, React, Angular, Javascript/TypeScript, Blazor/Razor
- **Back-end:** C#, .NET, .NET Core, Go, Node.js, Python
- **Databases:** MSSQL, Postgres, MongoDB, BigQuery
- **CI/CD:** Gitlab, CircleCI, MSBuild, Jenkins
- **Orchestration:** Docker, K8, Helm, Rancher, ArgoCD, Terraform, Ansible

EXPERIENCE

Magic Leap, Inc., Remote — *Senior Software Engineer*

October 2023 - PRESENT

- Collaborated in a cross-functional team of developers with varying expertise, fostering knowledge transfer in cloud platforms (GCP, AWS), Python, and system design. Provided code reviews for team members using Gitlab, upholding consistent coding standards. Performed a strategic migration of a dedicated ML project in GCP into separate, maintainable projects for multiple teams, leveraging Ansible, Terraform, Gitlab, GCP, and Vault. Documented the process using JIRA..
- Expertly crafted a Go binary capable of integrating with popular communication platforms like GChat, Slack, and email (SendGrid). Leveraged Terraform and Docker to streamline deployment and automation processes within GitLab pipelines, ensuring reliable and scalable notifications across multiple machine learning environments.
- Implemented FinOps best practices on GCP and AWS environments, utilizing metrics analysis, service recommendations, and custom Python scripts. Achieved annual cost savings of over $60,000.
- Designed a comprehensive, automated Grafana/GCP metrics dashboard for all GCP projects (Python, Grafana/GCP, Cloud Functions, BigQuery, Terraform, GCP Metric Explorer). This centralized dashboard provides resource utilization insights for FinOps and leadership.
- Developed a reusable CI/CD automation module (Terraform, Gitlab, Bash, GCP) for machine learning engineers, enabling one-click virtual machine and service provisioning.
- Provided responsive ticket support to ML engineers for machine and GCP environment issues, utilizing JIRA, GCP, Python, and bash scripting. Proactively adapted schedule to assist engineers across diverse time zones through video calls.
- Created comprehensive documentation for troubleshooting procedures and architectural diagrams (Lucid.app, Word, JIRA), guaranteeing smooth knowledge transfer for new developers and ensuring consistent operating procedures.

Rocket Mortgage, Remote — *Software Engineer*

SEPTEMBER 2020 - AUGUST 2023

- Designed and implemented a high-performance telephony orchestration application used by hundreds of bankers for thousands of daily calls (C#, .NET 6, Kubernetes, Terraform, AWS).
- Developed a real-time web application to visualize statistics for the telephony orchestration app (React.js, .NET 6, TypeScript, Auth0, AWS, Kubernetes).
- Led a company-wide migration of CI/CD pipelines from TFS to CircleCI, facilitating integration of our applications.
- Mentored software engineers across various levels, fostering their understanding of programming languages, functional programming principles, cloud technologies, software concepts, and design patterns.
- Authored a comprehensive integration testing suite using MockServer, implemented across multiple applications, and delivered presentations to various teams on its setup and usage (MockServer, Docker, Kubernetes).
- Championed agile methodologies to analyze and prioritize tasks defined by stakeholders (standup meetings, backlog refinement, etc.).

- Cultivated a culture of best practices by mentoring engineers and guiding them on effective software development principles.
- Developed C# unit and integration tests utilizing industry-standard frameworks like XUnit, Moq, and NUnit.
- Automated infrastructure provisioning and deployment through Terraform for AWS services like EventBridge rules, Lambda functions, S3 buckets, and more.

NXTGen Moving, Providence, RI — *Principal Engineer*

OCTOBER 2020 - APRIL 2022

- Led the design, architecture, and development of a brand new on-demand moving application from the ground up, leveraging a microservices architecture pattern for scalability and maintainability.
- Managed all user stories, collaborating with business stakeholders to translate business needs into actionable engineering tasks.
- Fostered code quality through peer reviews and code management using GitHub.
- Mentored and guided other software engineers in technical design principles and architectural patterns.
- Developed all application layers - front-end (React.js), back-end (ASP.NET Core 5, EF Core), database (MySQL), security (Auth0), and container management (Docker).
- Architected and implemented a price manager schema and tool for real-time customer quotes.
- Created a reusable notification library (email and SMS) for secure use across all applications.
- Integrated all applications with Auth0 for secure API requests, supporting both internal and external users.
- Proficient in React.js, ASP.NET Core 5, Entity Framework Core, Docker, Redis, Auth0, MySQL, and various other technologies.

RIHousing, Providence, RI — *Web Application Developer*

SEPTEMBER 2019 - AUGUST 2020

- Designed, built, and deployed a full-stack web application for an internal construction management system (C#, ASP.NET Core, Entity Framework Core, Razor Pages, Telerik, Azure/MS SQL). Utilized Agile methodology (JIRA, Azure DevOps Boards) for efficient project management.
- Streamlined codebase workflow by implementing Trunk Based Development, reducing complexity from 50+ branches. Championed consistent coding practices (peer review, commenting, merging strategies) through standardized workflows and environments.
- Increased development efficiency by creating a reusable Razor Class Library (C#) for common UI components and code logic, accessible through the internal Azure Artifact feed.
- Developed an SSRS report for complex construction budgets, leveraging stored procedures and multi-tabled SQL queries for data retrieval. Integrated the report seamlessly with the internal system.
- Actively mentored interns and employees on full-stack development and DevOps concepts, providing guidance and assigning relevant tasks to facilitate their learning journey.

Explorica, Boston, MA — *Software Engineer*

MARCH 2018 - SEPTEMBER 2019

- Collaborated in a development team to build, maintain, and enhance a web-based student travel application (ASP.NET Web Forms, Sitecore CMS, MSSQL, Azure DevOps).
- Designed and implemented a company-wide revenue grid displaying revenue streams and tour group stages, promoting healthy competition by rewarding top performers with company-sponsored trips.
- Dedicated weekly Service Desk hours to address critical bugs. This involved efficient bug capture, testing, and timely implementation of fixes.

EDUCATION

New England Institute of Technology — *BA in Computer Science*

SEPTEMBER 2014 - APRIL 2018, East Greenwich, RI