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Matthew Piskunov

SKILLS

- **Cloud Platforms:** GCP, AWS, Azure
- **Frontend:** Next.js, React, Angular, TypeScript, Razor
- **Backend:** C#/.NET, Node.js, TypeScript
- **Scripting:** Golang, Bash, Python

- **Databases:** MSSQL, Postgres, MongoDB, BigQuery
- **CI/CD:** Gitlab Pipelines, CircleCI, Jenkins
- **Orchestration:** Docker, K8, Helm, Rancher, ArgoCD
- **Infrastructure:** Terraform, Ansible

EXPERIENCE

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

October 2023 - PRESENT

- Worked on a team of 5 engineers of varying expertise to provide support and development for our cloud platforms GCP and AWS.

- Provided code reviews for team members using Gitlab that produced engineering excellence and positive code feedback.

- Led the migration of a shared machine learning GCP project to multiple projects using Terraform, Ansible, Golang, Gitlab Pipelines, and GCP. This allowed our engineer teams separation of concern, better resource management, and a revised infrastructure.

- Utilized BigQuery, Grafana, Python, and serverless functions to provide visualization of cloud spending and trends to management.

- Created a Golang binary integrated with Slack, GChat, and email that can send notifications to whatever channel the target team needs. This allowed the machine learning teams to keep track of their Vertex-AI jobs and be notified if a job were to fail/pass. Binary was deployed with Gitlab pipelines, GCP Artifact Registry, and secured with IAM access.

- Worked with machine learning leaders to provide them with the GCP resources they needed. This was done through IaC (Terraform), Gitlab repositories, JIRA, and technical demos.

- Designed a reusable Terraform template to replace a legacy CLI program within the CI/CD pipeline. This is now used through our team and simplified infrastructure for all/any teams using it.

- Troubleshooted Linux VMs with Bash, Ansible, and Python in order to provide support to the machine learning teams.

Rocket Mortgage, Remote — *Software Engineer*

SEPTEMBER 2020 - AUGUST 2023

- Led a company-wide migration of CI/CD pipelines from TFS to CircleCI, facilitating seamless integration of legacy and modern applications. This helped our Site Reliability team by providing expertise in C#/.NET automation as well as other frameworks.

- Provided technical demos and learning for any and all engineers on topics like c# dependency injection, functional programming, and more during quarterly "hack weeks" in order to spread knowledge and engineering excellence.

- Our team designed and implemented a high-performance telephony orchestration application used by thousands of bankers for thousands of daily calls. This was created with .NET/C#, Terraform, Kubernetes, and AWS.

- Created a React.js application to visualize call statistics, configure runtime variables, and troubleshoot issues for our telephony app. This was created with Auth0, Kubernetes, .NET/C# for backend, and hosted in AWS and was used by our team and leadership.

- Mentored 5 software engineers across various levels, fostering their understanding of programming languages, functional programming principles, cloud technologies, software concepts, and design patterns.

- Created unit test and integration test suites for the telephony orchestration app using xUnit, MockServer, and Split.io.

- Automated infrastructure provisioning and deployment with Terraform for AWS services like 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 multiple architecture patterns for fault-tolerance, scalability, and maintainability with a team of 3 in total.

- Managed code reviews on GitHub to provide feedback for the developers.

- Managed all user stories with Trello, collaborating with business stakeholders to translate business needs into engineering tasks.

- Secured the NXTGen ecosystem with Auth0 authentication and authorization, securing all microservices, APIs, and SPAs.

- Designed multiple client facing web apps using React.js, TypeScript, .NET, Docker, and MySql for public clients and admins.

- Created reusable .NET libraries for the NXTGen ecosystem for email, SMS, and authentication using .NET dependency injection.

- Designed all MySql table schemas as well as scripts for seeding and restoration, which allows engineers to provision their local machine with a complete environment.

- Integrated third-party vendors (PayPal, MapBox, Auth0) into foundational company features.

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 using C#/.NET, Razor, Telerik, MSSQL, and hosted in Azure. Utilized Agile methodology with JIRA for efficient project management.

- Streamlined codebase workflow by implementing Trunk Based Development, reducing complexity from 50+ branches. Provided consistent coding practices like peer review, commenting, merging strategies through standardized workflows with GitHub.

- 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 with C#/.NET, Sitecore CMS, MSSQL, and Azure DevOps.

- Designed and implemented a company-wide revenue grid displaying revenue streams and tour group stages with a MSSQL stored procedure, C#/.NET, and JavaScript, promoting healthy competition by rewarding top performers with company-sponsored trips.

- Dedicated weekly Service Desk hours to address bugs. This involved bug capture, testing, and timely fixes using PagerDuty.

PERSONAL PROJECTS

- Created my portfolio site (https://matthewpiskunov.com) using Next.js/TypeScript and deployed using a Linux VM and Docker. Hosted this site on DigitalOcean and code is available on GitHub.

- Developed and architected a craft fair site using React.js, Auth0, C#/.NET, and Postgres. Can show current progress upon request.

- Hosted multiple WordPress and React.js websites for friends and family using DigitalOcean droplets. Automated deployment with Ansible and used Docker for containerization. Hosted on DigitalOcean and code is available on GitHub.

EDUCATION

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

SEPTEMBER 2014 - APRIL 2018, East Greenwich, RI