Philipp Munin

Distributed Systems Engineer / Full stack / Tech lead / Architect,
New York

job@pmunin.com
linkedin.com/in/pmunin
206-466-7201
pmunin.com

Summary

Certified software veteran with 15+ years of experience. Entrepreneur growth-oriented mindset. Strong analytical, problem solving skills, work in large corporate and start-up environments, wearing many hats, including project manager, business analyst, system architect, tech lead. Thorough understanding of technologies, distributed systems, data structures, algorithms, and devops. (more info on my website)

Key skills

AI: Github copilot, Claude, GPT models, Gemini, Grok, NotebookLM

Web: Javascript, Typescript, React, D3, Angular, NodeJs, Html5, Css3, Bootstrap, Material UI, Jquery, Webpack, Nginx...

.NET : Asp.net core/mvc, .Net core, C#, LINQ, COM, Excel DNA, Wpf, WinForm, WCF, Sharepoint, DevExpress,,...

Data: Mysql, Postgres, Nosql, Ms SQL/T-SQL, Clickhouse, SSRS, Google Firebase, Entity Framework, EF Core, Sequelize, Kafka, Snowflake…

General : Algorithms & data structures, design patterns, flux, REST, GraphQL, Multithreading, Microservices/Monolith …

Infra/Cloud/Devops/Observability: Kubernetes, Docker, AWS, Azure, Terraform, devContainers, Datadog, Grafana...

Mobile : React Native

Methodologies & tools: Agile, Scrum, Team Foundation Server, Git, Jira, Ms Project, Project Server, Visual Studio, vscode, Buildkite, Teamcity, circle CI, GitHub actions

Relevant experience

Staff Engineer @ Twilio/Segment, Growth Automation — Sept 2021 - Today

- Working on high traffic distributed customer data platform with marketing tools, processing billions of events per day
- Working on Messaging (sms, email, whatsapp), Journeys, Audiences in the product app (app.segment.com), internal and customer facing Observability features
- Product performance improvements, reliability, monitoring and logging, internal observability, on calls
- Product compliance GDPR and TCPA and Regionalization of the product backend for EU
- CI/CD processes improvements, automated database migrations, testing and deployments and other DevOps stuff
- Mentoring, hiring/interviewing candidates
- System design, tech leadership, architecture review, incidents investigations, working with customers

Utilized: AWS, Node.js, Typescript, React, GraphQL, Golang, Kubernetes, Docker, Mysql, Postgres, BigQuery, Clickhouse, Kafka, Snowflake, Datadog, Sentry, Grafana Loki, Splunk, Buildkite, ArgoCD, Terraform, nginx, Sendgrid/Twilio API…

Sr. Software Engineer @ Millennium Management, Treasury, NY — Aug 2018- Sept 2021

- Developed internal financing platform, which harvests/parses/ETLs brokers reports, calculates internal charges allocated to internal traders, reconcile with external charges of brokers provided in statements
- Gathering requirements from stakeholders and end users
- System design, development of core components, fixing bugs
- Managing offshore team of developers
- Improving team processes of collaboration & workflow, CI, documentation, ...

Utilized: C# .Net Core, Sql server, Asp.Net Core, Javascript, Entity Framework Core, Github, Octopus, Teamcity, Jira, Hangfire, Roslyn Scripting…

Founder @ Retrolator — Jan 2017- Aug 2018

- Developing web app for project planning and optimization, concept development, marketing
- System design, core development, algorithms implementation
- Hiring/Managing/Budgeting team of freelancers

Utilized: ReactJs, D3js, ES6, Typescript, Babel, Firebase, bootstrap, goldenlayout, lodash, webPack, mocha, jest, .NET core, algorithms (graph/optimization/scheduling), Ms Project, Jira, …

Sr. Software Engineer, Project Lead @ Fortress Investment, Credit Assets, NY — Aug 2013 - Jun 2017

- Built a new team and revamped from ground 0 a credit asset management system on HTML5+Angular (old product was on Silverlight and SQL)
- Greatly improved reliability and performance of report generation - from 1hr to 3-5 minutes
- Communicating with business owners and users, managing requirements, project planning
- Created critical components, e.g. security authorization component, custom CMS view engine,…
- Created Excel add-in for synchronizing spreadsheets with Web Api of the application
- Managing offshore and onshore team of developers, testers and business analysts, conducting scrum meetings, code reviews, technical Interviewing candidates

Utilized: C# 7.0, ASP.NET MVC 5.0, Silverlight/XAML, XML, WCF, WPF, IIS7.5, VS2017, HTML, CSS, Javascript, Jquery, KnockoutJS, AngularJs, EF, Sharepoint, MsSQL, MySql, SSRS (Reporting), SSAS/OLAP, SSIS (ETL), Jira, SVN, TFS, TeamCity, Excel, ExcelDna, PowerQuery, PowerPivot, DevExpress, Telerik, Ms Project

Sr. Engineer @ Microsoft, Office 365, Redmond, WA — Jan 2012 - Jun 2013

- System design and implementation of workflow web application for managing marketing offers/subscriptions/price plans/... for Commerce division of Office365
- Implementing Assistance panel for Office365 admin web app
- Integrating of office365 admin with community.office365.com, integrating BingAPI
- Managing collaboration of team of developers
- Designing UI and Implementing survey authoring tool (WPF) as a part of best practice assessment system of clients infrastructure

Utilized: ASP.NET MVC 4.0, SQL, XML, WCF, IIS7.5, VS2012, HTML, CSS, Javascript, Jquery, KnockoutJS, Entity Framework, Windows Azure, BingApi, Sharepoint Server 2010, C# .NET 4.0, WPF, Expression Blend, SketchFlow, TFS, Visual Studio Online

Sr. Software Engineer, Team Lead @ Bell Canada, Toronto, ON, Canada — Oct 2010 - Oct 2011

- Design & development of a several projects of bell.ca website
- Analyzing requirements, technical design and development areas of mybell.bell.ca
- Implementing extensions and customizing Team Foundation Server for deployment of Web applications, development process, work item types, workflows, deployments etc..
- Implementing MOSS 2007 features and solutions for bell.ca support portal
- Managing onsite and offshore developers, interviewing candidates, system analysis, writing technical documentation, code review

Utilized: C# .NET 4.0, LINQ, WCF, Web Services, XML, ASP.NET MVC3, html, css, javascript, jquery, ajax, IIS 7.5, WebDeploy, Url Rewrite, TFS 2010 (workflow, build definitions, SDK), Sharepoint 2007,2010, MsSQL 2008, Ms. Enterprise Library 5, Distributed Cache (SSOS), Ms. Project, Win Server 2008, Hyper-V

Sr. Software Engineer @ Venuiti Solutions, Toronto, ON, Canada — Jul 2010 - Oct 2010

- 3 month engagement for the development of an equipment fault management system
- Design and development of dedicated client-server component for universal data filtering, based on LINQ
- Development client-side, server-side, data-management services (including data model, sql-stored procedures) and web services

Utilized: C# .NET 4.0, Silverlight 4.0, WCF, RIA, ASP.NET, LINQ, ADO.NET Entity Framework 4, Ms SQL (T-SQL), Reporting Services, MEF, MVVM pattern, TFS 2010, Telerik

Sr. Developer @ Aerogeology, Moscow, Russia — Apr 2009 - Apr 2010

- Development and support of enterprise database system in the department of Finance and Economics for the Federal Natural Resources Agency
- Developing workflows with complicated UI using WPF, Silverlight, WCF, web services,…
- Designing system architecture, writing technical requirements and specifications
- Implementation by designed specification, fixing bugs, writing stored T-SQL procedures designing
- Database, code refactoring (C#, T-SQL, VBA), developing report modules

Utilized: C# .NET 3.5, SilverLight 3, WPF, WCF, WebServices, XML, ASP.NET, MS SQL Server, ClickOnce, TFS (+sdk), DevExpress

Software Developer, Project Manager @ Synergetics Systems Ltd., Moscow, Russia **Aug 2006 - Nov 2008**

- Component-based development of products related to document processing, indexing and archiving
- Technical architecture and UI Design
- Finding, interviewing IT specialists, managing team co-operations
- System administration, based on virtual servers: W2k3 Domain Controller, SharePoint, Project Server 2007, Team Foundation Server 2005, StarTeam, …
- Training, contacting to end-users, approving business requirements, participating in exhibitions
- Researching, integrating 3rd party components, managing relationships with partners
- Implementing intranet web portal based on Sharepoint Portal 2007
- Project management, requirement management, task management, follow-up activities.
- Implementing Ms Project Server
- Developing enterprise IT-infrastructure, standards, training colleges

Utilized: C# .NET 3.5, VS2008, Ms SQL Server 2005, Oracle 9, DevExpress, FlowCharts, TFS 2008, StarTeam, Project Server 2007, Sharepoint 2007, W2k3+AD+VPN, Windows Imaging API

Education

MSc, Computer science, Vyatka State University, Russia	2006
BSc, Enterprise Economics and Management, Vyatka State University, Russia	2007

Certificates

TS: Microsoft SharePoint 2010, Application Development (Ms70-573)	2011
MCPD: .NET Enterprise Application Development (Ms70-549)	2011
MCP: .NET Distributed Application Development (Ms70-529)	2010
MCP: .NET Web Based Client Development (Ms70-528)	2009
MCP: .NET Windows Based Client Development (Ms70-526)	2009
MCP: .NET App. Development Foundation (Ms70-536)	2009

Courses

Analyzing requirements and defining Microsoft.NET solution architectures (Course Ms2710, Exam Ms70-300)	2008
Enterprise project management using PMI & Microsoft Project	2008
Microsoft Solutions Framework Essentials» (Course Ms1846A)	2008
Software development entrepreneurship programme «StartInGarage»	2007