

Eric Kiersky

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Software Application Developer

Imagine, architect, design, prototype, develop, test, deploy, support, and maintain applications, including internal corporate tools / applications and products for external customers. Experience includes small scripts and macros, group level applications, enterprise application systems, Microsoft Windows features, a global network traffic control system, enterprise application, log data aggregation / alerting, and cloud data processing. Current focus on application / tools development based mostly in Microsoft C# / .NET. and Amazon Web Services (AWS).

Key Skills

Software Application Development | C# /.Net | AWS Development
Process Improvement | Azure Development | Agile Methodologies

Professional Experience

SAP Concur, Bellevue, WA

July 2022 – June 2025

Senior DevOps Engineer

Developed software applications and solutions. Continued my previous consultant work as a direct hire.

- Continually innovated, reimaged solutions, invented new solutions, and improved applications developed.
- Developed machine learning functions to detect anomalies in AWS backend processing.

Murphy & Associates, Kirkland, WA

January 2021 - July 2022

Software Development Consultant

Developed software applications and solutions.

- Developed software for Identity and Access Management - Governance Risk and Compliance at SAP Concur and applied key skills that included C#/.NET, and web API execution.
- Conceived, developed, and delivered AWS report data processing pipeline, leveraging C# Lambda functions, Simple Queue Service, and DynamoDB plus S3 storage.
- Conceived, developed, and delivered WPF GUI that displayed data described above.
- Provided automation that significantly improved work accomplished by coworkers, saving significant effort and time performing ongoing tasks.
- Developed applications executing Jira, Okta, ServiceNow, Azure AD web APIs.

Plex Systems, Troy, MI

July 2017 - December 2020

Senior Software Developer

Developed DevOps software applications and solutions.

- Member of DevOps team within Cloud Operations organization, providing applications and tooling to improve productivity and experiences of Plex product developers. Plex provided Manufacturing ERP and MES SaaS solutions
- Assisted with CI / CD modernization initiative, helping develop a system called Deployment Source of Truth, which offered a single web page showing currently deployed versions for all Plex subsystems across multiple tiers: dev, test, int, and prod, as well as offered information about recent Azure DevOps deployments for each system, including log data showing successes and failures.
- Developed a data processing pipeline with Azure to collect and send data from Azure to a neo4j data store via a GraphQL Web API for Deployment Source of Truth.
- Wrote HTTP-triggered Azure functions that stored blob data, then inserted queue messages pointing to the blobs and then a C# .NET Core console application polled that queue to initiate reading the JSON blobs, extracting select data and sending it to GraphQL with HTTP calls.
- Developed Azure DevOps pipeline automation to build and deploy the code described above.
- Developed monitoring and alerting within Microsoft Azure and authored Kusto queries for alerting and reporting.

- Performed system administration in creating / maintaining an Elasticsearch-based system that collected application log data for analysis and alerting, with solution employing the Elastic Cloud Enterprise offering, including an Elasticsearch store, Logstash data ingestion, and Kibana visualization, and authored Logstash data processing to shape data for efficient querying.

bLoyal, Redmond, WA

February 2017 - May 2017

Software Engineer

Developed cloud-based data processing and reporting for bLoyal, a customer loyalty program service provider, hosted entirely with Microsoft Azure.

- Worked with company founder to develop a log viewer system that aggregated JSON log data sent to an Event Hub, performed some data transformations, then sent the data to Azure Monitor Log Analytics for querying.
- Leveraged an Azure Stream Analytics job to pull data from the Event Hub, then a custom WebJob service transformed the Azure blob data before sending it to Log Analytics, with result being highly searchable, centralized log data, instead of numerous scattered individual log files, enabling faster data analysis.
- Developed a reporting solution using U-SQL to query data in SQL Azure, writing data to a Data Lake file, which was viewed via Power BI, with solution helping bLoyal collect monthly billing data.

Additional Relevant Experience

Microsoft, Redmond, WA

Software Engineer

Developed features for Windows Universal Store Core Engineering.

- Developed Windows features for controlling network bandwidth consumption originating from Windows Updates and Universal Windows Platform app updates, ensuring smooth delivery of updates, as well as major Windows releases to consumers world-wide.
- Performed DevOps work for Windows Update, developing features for Microsoft.com, creating IT applications, testing for Word, and developing applications on Sales Operations team.
- Utilized skills such as C# / .NET, SQL Server, and SQLCLR.

Boeing, Renton, WA

Programmer Analyst

Architected, designed Windows-based application software for Executive Offices Computing, an IT organization providing Windows-based application software for commercial airline customers and internal customer engineers.

- Developed a database application to provide airline customers information needed on the status of their airplanes being manufactured by Boeing, with dial-up FTP communication used to distribute data world-wide. This application greatly helped airline customers by providing daily updates instead of monthly mailed paper reports.
- Performed IBM mainframe application development, providing software used to report monthly financial statements for Boeing's commercial division and developed database applications using COBOL, and IBM DB2, and IMS.

Education

Bachelor of Science (BS), Computer Information Systems

City University, Bellevue, WA

Associate of Applied Science (AAS), Electronics Technology

Green River Community College, Auburn, WA

Certificates and Training

Machine Learning - Stanford, Coursera

Business Programmer Certificate: Learned COBOL and IMS

Boeing Computer Services, Tukwila, WA