Daniel Buglak

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Education

Bachelor of Science in Computer Science
Cognate in Statistics
Michigan State University, East Lansing, MI   *April 2024*

Work Experience

Backend Software Developer
Ally Financial (via Brooksource Contract)   *June 2024 – Present*
- Design, develop, and maintain scalable microservices that integrate with internal and external systems to support key business processes.
- Collaborate cross-functionally in an Agile environment to deliver high-performance backend solutions, ensuring alignment with business and technical goals.
- Monitor production systems to proactively identify and resolve performance bottlenecks, ensuring system reliability and responsiveness.

Software Development Intern
Mercedes-Benz Financial Services   *May 2023 – April 2024*
- Enhanced the efficiency of SOAP API services by transitioning from embedded SQL and message flow architectures to Java-based REST APIs. This modernization led to a more than tenfold improvement in internal system updating speed.
- Spearheaded the advancement of an employee chat bot within a comprehensive full stack environment. Introduced new features, including the integration of a new user role, the implementation of a deletion functionality, and substantial user interface enhancements.
- Created a sophisticated Microsoft Excel macro tailored to streamline SAP IDoc monitoring which significantly reduced employee time investment from 30 minutes to ten seconds.
- Collaborated seamlessly with diverse IT teams to ensure the accurate integration of vital business information and systems, reflecting commitment to cohesive cross-functional teamwork.
- Developed a website that utilizes natural language processing and OpenAI's ChatGPT APIs to transcribe and summarize a meeting. A major feature is the ability to re-prompt ChatGPT for a more customized summarization.
- Trained a model to analyze Outlook emails using natural language processing to categorize and sort unread emails into folders.

Software Developer
MSU Capstone Experience – Michigan State University Federal Credit Union   *August 2023 – December 2023*
- Developed a proof-of-concept application for a simple-to-use digital banking application for Android Auto with one touch and voice-controlled features for enhanced user interaction.

Undergraduate Learning Assistant
MSU Computer Science Department   *January 2023 – May 2023*
- Helped teach an introductory programming course and held responsibilities such as helping new programmers, maintaining grades, and teaching course sections.

Student IT Support
MSU IT Support   *January 2022 – December 2022*
- Set up lecture halls and monitor zoom meetings to ensure that all technology is working correctly and up to the lecturer's expectations for various colleges within Michigan State University.

Personal Projects

Personal Website   *July 2023*
- Taught myself JavaScript, HTML, and CSS to develop a React website that serves as a professional portfolio.

Homemade Smart Mirror   *August 2022*
- Built a homemade smart mirror using a deconstructed monitor and a Raspberry Pi and configured it with the C programming language.

Certifications

Microsoft Certified: Azure Fundamentals AZ-900   *May 2024*
AWS Certified Cloud Practitioner CLF-C02   *May 2025*

Skills

- Strong expertise in Python and Java.
- Strong expertise in the Spring Framework.
- Strong expertise in AWS and maintaining microservices.
- Experienced in Flask, Maven, and Gradle.
- Experienced in writing and maintaining API service calls.
- Experienced in Jira, Git, and developing in an Agile environment.
- Experienced in a CI/CD environment.
- Proficient in JavaScript, TypeScript, C++, and SQL.
- Proficient in HTML and CSS.
- Familiar with linear programming, ARM Assembly, C, VBA, and C#.
- Familiar with the UNIX environment, SAP, and Docker.
- Familiar with Microsoft Azure.
- Experienced in creating stored procedures, views, and staging tables in MSSQL.
- Experienced in analyzing data utilizing clustering, linear regression, and correlation.
- Experienced in applying various statistical distributions to solve problems.
- Experienced in the Microsoft Office Suite.
- Familiar with the React framework.
- Familiar with Jinja, socket.io, and database management
- Deep understanding of data structures and algorithms.
- Strong verbal and written communication skills.
- Native in the Russian language.
- Volunteering experience helping the less fortunate in Detroit.
- Well-versed in multitasking to increase productivity.