Adam Gutonski

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in https://www.linkedin.com/in/adam-gutonski-207b0386/   ○ https://adamgutons.github.io/portfolio/

Profile

Dynamic and seasoned Senior Software Engineer with over 5 years of extensive experience in software development, specializing in Java and Python programming. Adept at optimizing data structures, algorithms, and software design to deliver robust and efficient solutions. Demonstrated proficiency in spearheading projects across various sectors including government, tech, and local municipalities. Committed to driving innovation and excellence in software engineering, I leverage my deep technical expertise to solve complex problems, enhance system functionality, and contribute to team success through effective collaboration and continuous learning.

Professional Experience

Senior Software Engineer   2021 – present | Chicago, IL
Locusview

- Spearheaded the development of new features for a digital construction management application, leveraging advanced Java 17 and Spring technologies to enhance functionality and user experience.
- Played a pivotal role in engineering REST API endpoints, utilizing Spring and Spring Boot for efficient and scalable web services.
- Led a key initiative to refactor Dockerfiles, integrating open-source binaries and Java JNI bindings to streamline deployment processes.
- Designed and implemented sophisticated service and repository classes in Python and Java, significantly improving business logic operations and data retrieval from MySQL databases.
- Developed Unix shell scripts using CMake, enhancing the building process of open-source binaries, contributing to the robustness of the software infrastructure.
- Drove the implementation of rigorous unit testing frameworks, including Python's unittest and Java JUnit, ensuring high-quality and reliable code.
- Excelled in a collaborative AGILE environment, managing coding assignments and workflows using tools like Jira and GitHub, fostering team efficiency and project success.

Software Engineer   2018 – 2021
BAE Systems

- Developed and maintained robust web geo-processing tools, utilizing Python and the ArcGIS Enterprise framework to offer innovative solutions in geographic data processing.
- Orchestrated a large-scale workflow automation application using Python and Esri WMX software, streamlining operations and enhancing productivity.
- Implemented Python API scripts with the requests and json libraries, facilitating efficient ETL processes with web feature services.
- Engineered desktop Python applications for advanced data analysis, integrating tools like tKinter, GDAL, arcpy, and the Python standard library to provide comprehensive analytical capabilities.
- Pioneered the establishment of the first GitHub repository for the R&D team, leading the team through coaching on Git version control and best practices.

Software Developer   2017 – 2018
Technology Rediscovery

- Developed an open-source code enforcement permitting web-app system using Java 8, enhancing community engagement and compliance.
- Designed and implemented Facelets/JSF XHTML interface files, contributing to a user-friendly and responsive web interface.
- Collaboratively worked on designing PostgreSQL database tables, ensuring efficient data management and integrity for the application.

Skills

Programming Languages *(Java (8, 11, 17+), Python (2.7, 3+), JavaScript, HTML, CSS, SQL)*,
Frameworks *(Expertise in Spring, SpringBoot, Lombok, Jooq, DropWizard, Thymeleaf, leveraging these frameworks to build scalable and efficient applications.)*,
Database Management *(Skilled in managing and optimizing databases using MySQL, Microsoft SQL Server, PostgreSQL, Liquibase, ensuring data integrity and performance.)*,
Build Tools *(Docker, Gradle, Maven)*, **Collaboration and Version Control** *(Git, GitHub)*,
Testing and Quality Assurance *(Proficient in implementing unit testing frameworks like Python unittest and Java JUnit, ensuring the delivery of reliable and bug-free software.)*

Education

Community College of Allegheny County   2017 | Pittsburgh, PA
Associate of Science | Computer Science

Allegheny College   2013 | Meadville, PA
Bachelor of Arts | English