PALAK GOEL

Portfolio: https://palakgoel2908.github.io/

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Cloud System software engineer with 7+ years of experience in designing and implementing solutions across multiple platforms. Demonstrated ability to learn quickly and start contribution in the team early on.

SKILLS

Languages: Python, C++, C, Java, COBOL and JCL, MySQL, Scala.

Technologies: Windows, Z/OS, UNIX, Linux (Fedora), Wire shark, Security Oregon CTFs. XML, JSON, Web Development, Bootstrap, JavaScript, RESTful Web Services, JIRA, PowerShell.

WORK EXPERIENCE

Cloud Software Engineer | Intel Corporation   April '20 – Present

- Played a key role in enabling new platforms and conducting system assessments for Microsoft SQL Server on Windows.
- Provided detailed reports on platform tuning to assist Architects in shaping launch future generations and successful launch of current Xeon processors.
- Conducted profiling of industry-standard workloads like TPC-E to identify bottlenecks in code execution and explore the potential for using accelerators to improve backup restoration.
- Collaborated with customers to publish high-performance data on Enterprise OLTP workloads running on Microsoft SQL Server on Intel Architecture.
- Identified issues with SQL Server compilation methods and profile guided optimizations as replacements which were critical to the customer environment.
- Developed prototypes to enable the implementation of new security technologies for Intel CPUs, specifically related to SQL Server and its adjacent technologies.

Software Engineer (OS), Intel Corporation   July '18 – April '20

- Developed automated bug identifying framework for enhancing Wi-fi connectivity.
- Developed driver, Automation framework increasing the throughput of the workloads.

Graduate Technical Intern, Intel Corporation   Aug' 17 – May '18

- Developed automation framework for post-silicon validation for persistent memory.
- Enabled industry standard stress workloads - SPECJBB, SPEC CPU.
- Awarded Manager's Choice award for performance.

EDUCATION

M.S. Major - Computer Science**, Portland State University (** 3.7/4.0**)**   Aug '16 – May '18

PROJECTS

Perf-Mon Data Visualizer

Tools: Python Flask, MySQL, Vue.js   Skills: Data Processing, Engineering, Visualization, Analysis

The web-based dashboard allows users to upload and analyze performance monitoring data, including industry-specific SQL workloads. Users can apply custom and personalized rules to the data and view granular visualizations of server operations, enhancing data readability and providing organizational insight.