

Aman Siid

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EDUCATION

SEATTLE PACIFIC UNIVERSITY

Bachelor of Computer Science

Cumulative GPA: 3.3/4.0

Relevant Coursework: Algorithms and Data Structures, Object-Oriented Design and Programming, Systems Design (SDLC), Full-Stack Web Programming, IT Infrastructure, Mobile App Development, Database Management, Algorithm Design.

Seattle, WA
December 2024

WORK EXPERIENCE

VSP VISION

Software Engineer

Rancho Cordova, CA
May 2024 – December 2024

- Developed and maintained scalable .NET web applications for cloud infrastructure to streamline order and transaction management, leading to significant improvements in system efficiency.
- Crafted and deployed RESTful APIs and web services using SQL alongside Azure Functions to enhance backend services, ensuring seamless integration with Angular-based web applications while improving data retrieval speed by 30%.
- Engineered and implemented Azure cloud solutions that enabled consistent application performance, seamlessly managing over 500 requests per second while maintaining system stability during peak traffic periods.
- Executed comprehensive code reviews and authored over 30 unit tests using xUnit.NET as part of the software development lifecycle, enhancing software reliability while identifying key vulnerabilities that led to fixing the three biggest causes of system crashes. Testing was a key part of this process.
- Streamlined communication channels within the engineering team leading up to successful launches of six high-impact features; ensured that all stakeholders were informed ahead of critical deadlines throughout each sprint cycle.
- Created comprehensive code and API documentation for all projects, ensuring maintainability and ease of collaboration within the team.
- Contributed to the development and maintenance of SaaS applications, ensuring scalability and reliability in a cloud-based environment.

ECS TOOL CHECKOUT

Full-Stack Developer

Seattle, WA
September 2023 – June 2024

- Engineered a comprehensive tool management web application for the ECS (Engineering) department at Seattle Pacific University, streamlining resource tracking and enhancing overall efficiency for both students and staff by 25%.
- Collaborated with department stakeholders to extract critical requirements, which led to the launch of a tool management application that improved resource tracking for over 300 students and staff members.
- Conceptualized microservices architecture to design and implement RESTful APIs, improving response time by 30%.
- Designed high-performance CRUD APIs using Node.js and Express.js; facilitated seamless integration across microservices architecture while optimizing response times to under 200 milliseconds per request.
- Established efficient systems using cutting-edge RFID methods aimed at improving overall asset management; discovered key findings revealing three major bottlenecks causing delays during resource allocation cycles.
- Managed project development cycles using Scrum and Agile methodologies, ensuring timely delivery of features and enhancements.

NORTHWEST UNIVERSITY

IT Computer Specialist 1

Kirkland, WA
June 2022 – September 2022

- Developed and implemented efficient deployment strategies for over 40+ workstations using WinPE and Linux Operating Systems, resulting in reduced downtime and improved system performance for 60+ users.
- Developed and maintained comprehensive onboarding documentation and training materials for new students and faculty, resulting in a 40% reduction in onboarding time.
- Managed and resolved over 150+ technical support tickets monthly, maintaining SLA compliance and improving end-user satisfaction by 30%.
- Integrated M365 tools (SharePoint, Teams) to enhance team productivity by 20%.
- Analyzed recurring technological challenges faced by campus staff and implemented targeted solutions that addressed major pain points contributing to a notable decrease in repeat support tickets received weekly.

SKILLS

Programming: C++, C#, Java, Python, ASP.NET, SQL, JavaScript, React, Node.js, REST APIs, HTML & CSS, Assembly

Cloud & DevOps: Azure, AWS, Azure DevOps (ADO), Docker, Kubernetes, CI/CD, Git/Github

Databases & Tools: MS SQL, MySQL, NoSQL, PostgreSQL, Database Systems, Jira, Postman, xUnit.NET, JUnit, Linux

IT Infrastructure: Active Directory (AD), WinPE, M365 Suite (SharePoint, Teams), Networking & Troubleshooting

Problem-solving: Debugging, Troubleshooting, Root Cause Analysis

Multilingual: Arabic, Amharic, Tigrinya