Nathan Giesbrecht

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Work Experience

Junior Cloud Developer

VALUE PARTNERS INVESTMENTS   *Sept 2021 - Dec 2021*

- Researched, developed and deployed an excel Add-In that allowed consultants to access financial databases through a GUI and Excel custom cell functions. This Add-in utilized an Azure hosted API. Utilized SQL Procedures in the API to secure against SQL Injections. Developed using JS, CSS, HTML, and C#
- Wrote and hosted custom API's using Azure cloud services in combination with C#
- Researched and implemented new technologies, such as Github Codespaces to convert development into the cloud. Utilized Github secrets to secure ENV variables in the Codespace development environment and wrote bash scripts to initialize these environments
- Created pipelines for continuous integration between Azure Web services, Devops and Github repos, and automated build and deployment processes
- Contributed to a project designed to parallelize reporting functions, decreasing the runtime required for consultants to generate financial reports

Junior Software Developer

AGRICULTURE AND AGRI-FOOD CANADA   *Jan 2021 - May 2021*

- Implemented and deployed a site crawler, used to update financial data for 600+ projects with one click
- Researched and applied new technology/libraries and presented this technology to multiple teams, to allow for use in future projects
- Revamped and tested the user permissions and roles matrix across the entire main project site
- Updated and maintained a live database using SQL scripts
- Worked with Vue, bootstrap, Groovy, Oracle SQL, and Liquibase

Desktop Support

WAWANESA INSURANCE   *May 2019 - Sept 2019*

- Executed the conversion from Windows 7 to Windows 10 machines at multiple Wawanesa locations, resulting in improved workflow and enhanced user experience
- Provided swift user support and troubleshooting resulting in decreased employee downtime
- Created and maintained proper program documentation to reduce user conflict with new programs

Team Lead - Receiving Department

MAXIM TRUCK AND TRAILER   *August 2015 - July 2018*

- Distributed team tasks resulting in organized and expedited work flow
- Oversaw and completed tasks to ensure deadlines were met
- Conducted meetings with couriers through email / phone to correct errors in shipping
- Utilized company software to maintain accurate product quantity information

Technical Skills

Languages and Databases

EXPERIENCE WITH:

- Vue, Bootstrap, Groovy, SQL, React, Java, Python, C/C# /C++, HTML, CSS, JS, GIT and Assembly Language (LC3)

Software

EXPERIENCE WITH:

- DevOps Azure Cloud Computing Services, Github Codespaces, Jira, VSCode, Processing, Adobe Photoshop, Adobe Premier, Microsoft Office Suite, and Postman

Education & Awards

B.Sc. Computer Science Major (Co-op Option)

UNIVERSITY OF MANITOBA   *Sept 2018 - Present*

- Cumulative GPA 3.9 / 4.5
- Notable Courses: Human Computer Interaction, and Databases: Concepts and Usage

University of Manitoba

- University 1 Honor List : Fall 2018
- University 1 Honor List : Winter 2019
- Deans Honor List : Fall 2020

Projects ————————————————————

Tinder Clone

PERSONAL *May 2021*

- Built a Tinder clone utilizing React front end and Google Firebase back end
- Utilized multiple libraries and API for swipe cards and icons
- Built this web app as a template for a future project "Putter"

NateBot (Discord Bot)

PERSONAL *May 2021 - Ongoing*

- Ongoing chat bot project with periodic feature updates
- Currently rolls dice, welcomes new users and posts one-liners and jokes using an API
- Utilizes Python and Discord.py API to perform server actions

Restaurant Ordering Web Application

ACADEMIC *Sept 2020 - Dec 2020*

- Took on the lead position on HCI team consisting of 5 students, distributed tasks, arranged and conducted weekly meetings, and ensured the team met deadlines
- Conducted interviews with potential users to determine application utility requirements
- Application developed with HTML, CSS, JS, and React

Website Development

PERSONAL *July 2020 - Sept 2020*

- Designed mock up websites for personal and business application
- Self taught through online HTML, CSS, JS, and Wordpress courses
- Customized the sites to be mobile and tablet friendly
- Converted code from dynamic to static pages to meet hosting requirements with Github Pages

DND Dice Roller

PERSONAL *June 2019*

- Created a simple dice roller to be used during DND sessions
- User will input the number of rolls they want and the number of sides on the die. (Example: 5d20 would be 5 rolls and 20 sides)
- Program outputs the result of each roll, followed by the sum of all rolls
- Application developed with Java

Extracurricular Activity ————————————

Video Editing

DETAILS: *Sept 2019 - Present*

- Skilled in video editing with experience in multiple editing programs
- Developed multiple videos for a small game focused Youtube channel

PIT Touch and Flag Football Manitoba

DETAILS: *June 2019 - Present*

- Active member for multiple teams in the Manitoba touch football league