Rohan Chopra

425-999-7687• rohan99925@gmail.com • 5672 171ST Ave SE, Bellevue, WA 98006 • linkedin.com/in/rchopra5

SUMMARY

I'm Rohan Chopra, a dedicated Junior Consultant at Wyngate Solutions. With a bachelor's degree in computer science from Arizona State University, I have a strong foundation in Java, C/C++, and Python. I actively contribute to client engagements involving Microsoft 0365, SharePoint, Power BI, Power Automate, C#, and Microsoft SQL Server, collaborating with cross-functional teams to understand requirements, analyze data, and develop tailored solutions that enhance productivity.

EDUCATION

B.S. Computer Science   August 2019 - May 2023

Arizona State University, Tempe, AZ

Magna Cum Laude   3.67 GPA

Scholarship: Provost Award 2019-2023

TECHNICAL SKILLS

Programming Languages: Java, C/C++, Python, Swift, C#, JavaScript, React.js, Node.js, React Native, HTML/CSS

Tools, Databases, and OS: JUnit, JIRA, Microsoft Visual Studio Code, Eclipse, GitHub, Windows, MacOS, Linux, PostgreSQL, Taiga, Figma, SharePoint, Excel, Azure DevOps, Microsoft SQL Server, Power Automate, Power BI, Tableau, MySQL, Selenium, Docker

RELEVANT PROJECTS

Patient Health Portal, *Software Engineering Class Project*   *Fall 2021*

- Devised a program using JavaFX to create a UI in which multiple patients can register accounts sharing medical records, immunization records, insurance information to schedule appointments with their doctor. The portal allows the nurse to capture patient vitals and the doctor to prescribe medication. The patients see their previous visits in the portal.
- Developed video presentation, user guide, comprehensive test plan and JIRA based project plan.

A Simple Compiler, *Programming Languages Class Project*   *Fall 2021*

- Developed a C++ program that reads lines of code in a subset of the 'C' programming language including assignment, conditional, iterator, output, and math operations, parses the code and checks for syntax or semantic errors. If there are no errors, it will run the program that is given and output the result to the console.
- This was the culmination of 3 prior projects of writing lexical analyzers and parsers of increasing complexity for a total of two thousand lines of code.

Producer Consumer problem, *Operating Systems Class Project*   *Fall 2021*

- Developed a C program that implemented semaphores using the system level user thread context ucontext_t to implement blocking threads. This layer was then used to implement the producer/consumer problem with a fixed buffer size.

Silibrain LLC – Vibesdoc, Capstone Project   *Summer 2022 – Fall 2022*

- • Collaboratively designed and developed a web-based digital health tool aimed at aiding patients with persistent medical conditions. The tool employed interactive questionnaires to gather user data.
- • Implemented an API integration to seamlessly retrieve patient information, enabling the system to provide prompt and accurate diagnoses to the users.
- • Constructed a React Native webpage featuring embedded video tutorials guiding users on performing self-diagnostic tests and offering comprehensive information on suggested treatment plans.
- • Employed agile methodologies, such as sprint-based development, to efficiently divide the project into manageable tasks and effectively distribute workloads among the team members.

RELEVANT COURSEWORK

Computer Science: Algorithms & Data Structures, Operating Systems, Programming Languages, Software Engineering and Design, Cybersecurity, Software QA & Testing, Theoretical Computer Science, Object-Oriented Programming, Distributed Software Development, Agile & Scrum Process, Mobile Application Development, Data Information & Security

Math & Science: Calculus for Engineers. Multivariable Calculus, Differential Equations. Applied Linear Algebra, Discrete Math, Calculus Based Physics, Electromagnetism.

WORK EXPERIENCE

Junior Consultant – Wyngate Solutions   Feb 2023 - present

- Create automated flows using Power Automate to help satisfy client needs and ease repetitive tasks.
- Worked using React.js to develop web applications for clients.
- Used Python scripts to fetch data for backend database.
- Use Azure DevOps as version control.
- Use other M365 tools such as Excel, Word. PowerPoint