Chris Escobar

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Education

University of Illinois at Chicago   Graduated: May 2021
Bachelors of Science, Computer Engineering
- Recipient of: Presidential Award Program (STEM), ABET Student Accreditation, and Dean's List.

Experience

Oracle | Full Stack Developer   July 2023 - March 2024
Remote, US
- Developed the messaging microservice for our health portal utilizing Ruby on Rails, React JS, and MySQL.
- Designed new REST API endpoints, significantly enhancing user experience and reducing errors by over 20%.
- Coordinated across 6+ teams to debug issues leveraging Splunk logs and New Relic metrics analysis.
- Performed stress tests to diagnose and optimize sluggish API endpoints, resulting in 50% faster response times.

IBM | Backend Developer   June 2021 - June 2023
Rochester, MN
- Built new public APIs for my clustering component in C++ and published official documentation for the APIs.
- Administered 100+ of our teams Ansible, IBM i, and VIOS test systems via vulnerability patching scripts.
- Collaborated with support teams to debug customer issues and shipped over 15 specialized fixes for our customers.
- Utilized object-oriented Python test framework to automate unit and regression tests, reducing test time over 50%.

Honeywell | Test Engineer Intern   June 2020 - August 2020
Lincolnshire, IL
- Created and optimized an internal beta testing application using object-oriented principles in C#.
- Reduced average product testing time about 33% by automating manual tasks with CSV files and Arduino.
- Collaborated with global teams to deploy my automated testing device and software, resulting in substantial improvements to their testing infrastructure, 33% faster testing times, and 10% test accuracy improvement.

PRA Health Sciences | Programming Intern   June 2019 - August 2019
Deerfield, IL
- Parsed and formatted client clinical trial data using macros to meet FDA CDISC terminology standard for analysis.
- Generated standardized clinical reports using SQL queries to extract data from SAS datasets of clinical trials.

Projects

Platform Visualization Tool | IBM   August 2021
- Led team in overhaul of internal Python platform visualization tool, resulting in reduced load time by 99.7%, brand new search feature, and updated UI for a better user experience.
- Over 10 teams now use the tool to help junior developers learn about IBM Power10 systems.

MIPS Multi-cycle CPU | Digital and Computer System Design   May 2021
- Developed a custom microprocessor from the ground up using SystemVerilog, finite-state machines, and logic design principles. The resulting CPU was able to execute MIPS assembly programs with 100% accuracy.
- Supported 10 base MIPS instructions and two new custom instructions, boosting performance by 25%.

Technical Skills

- **Languages**: Python, C++, Ruby, Java, Elixir, JavaScript, C#, C, SystemVerilog, Assembly, and Spanish.
- **Frameworks & databases**: React.js, SQL, Ruby on Rails, MVC, MySQL, HTML, CSS, Phoenix, DB2, and Excel.
- **Other**: Agile, CI/CD, REST APIs, Docker, Kubernetes, Git, Splunk, Jenkins, Linux, Ansible, Jira, and New Relic.

Teaching & Involvement

Engineering Learning Center | Supplemental Instructor   August 2019 - May 2021
- Mentored students with STEM course assignments and lecture material by writing customized worksheets with thoroughly explained complex concepts.

Society of Hispanic Professional Engineers | General Body Member   August 2019 - May 2021
- Supported fundraising, participated in workshops, and provided support to members of the Hispanic community.