

DEEPA HEGDE

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Technical Skills

Languages: C#, C++, Python, Java, C, HTML/CSS, JavaScript, SQL, Chapel, OpenMP, OpenMPI, TypeScript

Developer Tools: Visual Studio, VS Code, Eclipse, Google Cloud Platform, GitHub, IntelliJ IDEA, Jupyter, PyCharm, Postman

Technologies/Frameworks: Linux, Windows, Apache Kafka, Confluent Cloud, Beautiful Soup, Mapbox GL, Pandas, Wireshark, ASP.NET, Azure, AWS, Kubernetes, Docker, Flask

Database: MYSQL, RDBMS, PostgreSQL, SQL Server Management Studio, Dynamo DB, Firebase, BigQuery

Experience

ZOLL Medical Corporation

Sep 2020 – Jul 2021

Software Engineer

Singapore, Singapore

- Design, develop, test, maintain and support custom windows and web applications.
- Develop C#, WCF/WPF applications and interface them with the API.
- Worked on the proprietary SDK's to support applications interacting and integrating with the ZOLL's medical devices.
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.

Cerner Corporation

Nov 2016 – Jan 2019

Software Engineer

Bengaluru, India

- Designed and developed C++ code to process and support HL7 messages sent out from Cerner HIS.
- Developed an application to parse the HL7 data (Health Level 7) and export them to meaningful analytics.
- Developed algorithms to process captured health information from Cerner's wearable medical devices and provided adaptive learning capability and analysis of health metrics.

Amazon

August 2016 – Nov 2016

Device Associate Intern

Bengaluru, India

- Wrote test scenarios and test sets for every functionality in the Amazon mobile app.
- Evaluated the application performance using different performance tools to generate a comparable report.
- Automated and validated application functionalities using JAVA Junit.

Philips Healthcare

Jul 2015 – Jun 2016

Software Developer Intern

Bengaluru, India

- Developed ASP.NET application to view details of all the Philips CT scanners deployed in different locations.
- Used JSON for data processing and data transfer between the ASP.NET application and backend C# code for managing the CT scanner data.
- Used Microsoft Azure to deploy applications in the cloud.

Projects

BattleCode | *Java, IntelliJ, JUnit*

January 2021

- Developed bots for real-time strategy game where the bots worked together to defeat the enemy team.

Internet Relay Chat | *Python, PyCharm*

November 2020

- Implements features like creating chat room, switching rooms, private chat, join and exit channel.

C-Tran Data Engineering | *Python, Kafka, Pandas, Mapbox GL, Confluent Cloud, PostgreSQL, GCP*

October 2020

- Build, develop and test a small-scale data pipeline by gathering, transforming, validating and transporting the data .

Pokemon Database | *SQL, PostgreSQL, phpMyAdmin*

January 2021

- Designing, creating and maintaining a database using data sources.

Education

Portland State University

Sep. 2021 – May 2023

Master of Science in Computer Science

Portland, Oregon

Manipal University

Aug. 2014 – May 2016

Master of Technology in Medical Software

Manipal, India

Dr. Ambedkar Institute Of Technology

Aug. 2010 – May 2014

Bachelor of Engineering in Medical Electronics

Bengaluru, India