

Apurva Khatri

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EDUCATION

Northeastern University, Boston, Massachusetts

Master of Science - Computer Science

Expected July 2024

Major courses: OOPS, Data Structures & Algorithms, Database Management, Distributed Systems

Vellore Institute of Technology, Vellore, India

June 2020

B.Tech - Computer Science & Engineering

TECHNICAL SKILLS

Languages & Databases C/C++ · C# · Java · JavaScript · TypeScript · Python · Scala · MySQL · MongoDB

Technologies MapReduce · .NET · RESTful APIs · Git · Linux · React · Django · Android Studio

DevOps & CI/CD Docker · Jenkins · JFrog · Elasticsearch · Logstash · Kibana · AWS (ECS, S3, Bedrock)

WORK EXPERIENCE

Bayer, Co-op Software Engineer

June 2023 – November 2023

- Streamlined continuous integration by designing and implementing a unified build pipeline tool used by 10+ engineers for C#, C++ applications using python.
- Developed C++ system service for trusted platform module (TPM) 2.0 chip integration, bolstering security in diverse infusion systems.

ICICI Lombard, Software Developer

January 2020 - August 2022

- Revamped technology infrastructure of 20+ microservices to **AWS**, increasing availability by 12.5% & cutting deployment time from 3 hours to 20 minutes
- Led & mentored a cross-functional scrum team of 10 support engineers** in building & designing Kibana dashboards to free up software engineering team's bandwidth to focus on feature development & bug fixes.
- Architected centralized logging using ELK stack, elevating application performance & infrastructure monitoring to process real-time logs supporting daily intake of **5-6 GB of data**.
- Built dashboards to automate log management & production bug fixing, increasing application uptime.

YellowAnt, Software Engineering Intern

May 2018 - June 2018

- Integrated **RESTful APIs** of Office 365, SurveyMonkey & Grafana for YellowAnt chatbot. Further, deployed the application to Heroku & open-sourced to [GitHub](#).
- Spearheaded technical workshops & authored [articles](#) with a broad readership of **60 thousand views**.

OPEN-SOURCE CONTRIBUTIONS

[jupyterlab/jupyter-ai](#)

- Enhanced** the Generative AI chat assistant to export conversations to a markdown/text file. Issue number: [#460](#)

[Bloomberg/memray](#)

- Published code coverage reports for C++ and Python for each CI, accessible from the PR. Issue number: [#354](#)
- Added support** for memray to report its own version. Issue number: [#417](#)

[Pypa/readme_renderer](#)

- Migrated** package metadata to PEP 621 pyproject.toml. Issue number: [#284](#)

PROJECTS

Stocks Trading Application – Java, Java Swing, JUnit

- Built in MVC architecture adhering to key object-oriented principles and design patterns, including Command, Façade, and Builder

Learning Management System – React.js, Redux, Node.js, TypeScript, MongoDB

- Built a full-stack website to streamline course management, enhance the learning experience, and provide comprehensive tools for both faculty and students.
- Deployed the application to Heroku, Netlify and open-sourced to GitHub.

ServerLess LLM Application – Python, Amazon Bedrock, AWS Lambda

- Leveraged Amazon Bedrock to create an event driven pipeline to use LLM to process audio recordings of customer interactions.