Saad Rasheed

SOFTWARE ENGINEER

Chicago, IL USA

☐ (224) 258-2804 | ✉ contact@rasheedsaad.com | ⌂ www.rasheedsaad.com | ⓞ srashee

Summary

I'm currently a Software Engineer at Indeed writing customer facing full stack applications. I'm currently working with React, Java and PostgreSQL. I'm passionate about building, tinkering and making things better. I have experience developing on embedded systems, cloud technologies and machine learning platforms.

Work Experience

Indeed   *Indeed.com Company Pages*

SOFTWARE ENGINEER II   *May 2022 - Present*

- Migrated legacy Jenkins automation infrastructure to serverless Github Actions suite which resulted in concurrent automated tasks, 5x faster build times and centralized development.
- Mentored, assisted and helped grow junior Indeed engineers and an offshore development team.
- Resolved critical infrastructure issues which resulted in successfully migrating to AWS.
- Architected and developed many customer facing features for applicant tracking systems

Accenture   *Industry X*

SENIOR SOFTWARE ENGINEER   *Apr 2021 - May 2022*

- Leader on a team to contribute and build a greenfield healthcare e-commerce solution which led to quick market feedback for a large retailer.
- Built automated tooling and HIPAA compliant full-stack applications using Salesforce solutions which resulted in fault tolerant and automated Salesforce deployments.
- Scaled out a Smart City data ingestion pipeline while managing and developing multiple micro services in Kubernetes.

Motorola Solutions   *Secure Products Group*

SOFTWARE ENGINEER II   *Jan 2018 - Apr 2021*

- Developed encryption software and security related features for the Motorola's next generation radio, APX NEXT.
- Developed software across multiple teams across multiple countries and built solutions for cross team development.
- Architected and developed automation pipeline for embedded devices, enabling automated QA, deployments and testing.

SOFTWARE ENGINEER I

- Worked on a security feature for the Motorola GRV Comparator.
- Developed test code for IoT TCP/UDP devices in C.
- Helped design and build automated infrastructure and tooling for embedded devices.

Education

University of Illinois Urbana-Champaign   *Urbana-Champaign, Illinois*

M.S IN COMPUTER SCIENCE   *2019 - 2022*

- Relevant Courses: Distributed Systems (Cloud Computing), Parallel Programming, Theory and Practice of Data Cleaning, Text Information Systems, Foundations of Data Curation, Programming Languages & Compilers, Applied Machine Learning & Deep Learning for Healthcare.

Northern Illinois University   *Dekalb, Illinois*

B.S IN COMPUTER SCIENCE   *2015 - 2017*

- Distinction: Cum Laude
- Relevant Courses: Data Structures, Algorithms, UNIX, Networking, Databases, iOS Mobile Programming, Assembler Mainframe, Java, Operating Systems, Computer Architecture and Systems

Skills

</> **Languages**: Typescript, Javascript, Java, C, C++, Python, Swift, SQL, Haskell, HTML, CSS, Bash

Tools: Git, Docker, GDB, Spring Boot, React, React Native, Electron, ARM debugger, npm, Clearcase, Jenkins,

🖊 Github Actions, Docker, Kubernetes, Helm, Terraform, Artifactory, Conan, Jupyter, AWS, CMake, EKS, EC2,

PostgresSQL, PrestoDB, NextJS, Vite, Vue, GraphQL, Typescript, Apollo, gRPC and SFRA

⚙ **Embedded**: GPIO, USB, Serial, RS232, and SPI Interfaces

🔒 **Security**: Experience working with encryption algorithms, CIS20 Controls and OWASP Top 10

🚀 **Hobbies**: Building & Flying FPV Drones, Photography, 3D Printing & Chess

Projects

Clear Head   *clrhead.com*
FULL STACK APPLICATION   *Jan. 2022 - Present*
- Building a full stack application that centralizes your day to day allowing you to have a clear head.
- Built with NextJS, Typescript, Express, Apollo, GraphQL, Prisma and PostgreSQL

Motorola YPG SCH   *Motorola Solutions*
SOCIAL BRANCH LEAD   *Jan. 2020 - Apr 2021*
- Led a team to setup events for Motorola social events.
- Event planning for virtual events during the pandemic.
- Event planning for social in-person events for 500 attendants.

Causal Data Mining   *CS410: Text Information Systems*
ITERATIVE TOPIC MODELING WITH TIME SERIES FEEDBACK   *October 2020*
- Worked with a team to develop a system in Python to analyze historical data and build graphical associations with historical events.
- The project and code is an open-sourced research project available for viewing.

Google Extension   *Google Chrome Store*
MINIMALIST   *Feb. 2019 - Present*
- Developed and maintain a minimal note taking application for Google Chrome.
- Available for download in the Google Chrome Store.

ACM WCS Mentorship Program   *University of Illinois at UC*
MENTOR   *May. 2020*
- Mentored an Ungraduate Computer Science student.
- Met virtually on a regular cadence to help matriculation during the COVID 19 Pandemic.

Motorola Hackathon   *Schaumburg, Illinois*
TECHNICAL ENABLEMENT LEAD   *Jan. 2019 - Apr. 2019*
- Led a team to setup required technical infrastructure for hackathon, hosting approximately 100 participants.
- Team enabled participants to use GitLab, GitHub, Cloud Instances alongside proprietary Motorola hardware.

iOS Application   *Northern Illinois University*
UNIBOARD   *Dec. 2016 - Feb. 2018*
- Developed a social media iOS application in Swift 3 that allowed university students to sign up and communicate publicly through posts and images.
- Used Firebase for the back-end and data store to allow users to comment and like other user's posts.