Suraj Devatha

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EDUCATION

Master of Computer Science   August 2021 - December 2022
North Carolina State University, Raleigh, NC   CGPA - 4.0/4.0

SKILLS

Languages :	Java, Python, Scala, C, C#, Javascript, Typescript
Databases :	MySQL, MongoDB, Postgres, Elastic Search, Amazon RDS, NoSQL
Web Technologies :	Spring Boot, Play Framework, Flask, Angular, HTML, CSS, jQuery, Boostrap, React, PHP
Other Tools :	AWS Lambda, Amazon SQS, Cloudwatch, ELK Stack, Splunk, Ansible, Jenkins, Git, Terraform

EXPERIENCE

Software Engineer II, Lucid Software   January 2023 - Present
- Developed an Amazon SQS queue and Lambda-based model for seamless bulk deletion of 200,000+ Lucid Suite users.
- Collaborated with cross-functional teams to automate data ingestion pipeline and integrated it seamlessly with Salesforce, reducing manual effort by 90%.
- Created and launched accounts restoration feature, used by over 1,500 customers, elevating user experience and retention.
- Built a migration tool that upgraded 250+ build targets and 3,000+ files to Scala 3, delivering a 20% performance boost.
- Implemented automated tests and resolved critical bugs, resulting in a 15% reduction in Lucidchart's bug count.
- Contributed significantly to the improvement of Lucid's SDE interview process by evaluating and designing new algorithm based questions, directly enhancing the recruitment of high-caliber candidates.

Software Engineer Intern, Meta (Formerly Facebook)   May 2022 - August 2022
- Impacted 45,000+ advertisers by designing and developing a banner in the Facebook Ads Events Manager portal to increase the adaption of Conversions API, using React and Hack.
- Improved customer experience for 1,000+ businesses by implementing an email notification channel to troubleshoot issues with Meta Pixel and Conversions API Gateway.
- Built 10+ dashboards to monitor advertiser's engagements and impressions on platform feature announcements.
- Designed culturally driven Avatar Store in Metaverse for Hackathon, that would boost user engagement by 10%.

Senior Software Development Engineer, Perfios Software Solutions Pvt. Ltd.   July 2019 - July 2021
- Developed a centralized MIS reporting engine using Spring Boot to automatically generate and deliver product usage reports to the clients and hosted the application in Amazon EC2 Instance.
- Reduced manual efforts by 60% for the Support team by automating the process of sending alerts to the clients.
- Optimized algorithms to reduce the computation time and lines of code by 80%, using Java libraries like Google Guava and Apache Commons.
- Improved code coverage by 40% and ensured continuous operation of test systems and build by configuring CI/CD pipeline with Jenkins.
- Automated a data pipeline, using python and shell scripts, to push 500,000+ records from MySQL to Elastic Search.

PROJECTS

TLDCode.com - Too Long Didn't Code | Spring Boot & Angular (Live)
- Developing a highly efficient study plan mailing service enabling subscribers to prepare for technical interviews effectively with just 5 minutes of daily reading time.
- Tech: Spring Boot, Angular, Amazon SES, Amazon RDS, Digital Ocean, Slack API, Bootstrap, CSS

CI/CD Pipeline | Devops (Code)
- Implemented a pipeline using NodeJS which enables user's automatically build, test, and deploy applications from a host machine to a cloud instance.
- Tech: NodeJS, JavaScript, Digital Ocean, Shell, Ansible, Python 3

Feature Hunt | Flask & React (Code)
- A feature collection platform where users can share/vote/discuss feature requests. This application was built for the course Software Engineering (CSC-530) and helped developers collect features for 10+ projects.
- Tech: React, JavaScript, Python 3, Flask, MongoDB, HTML, CSS

PUBLICATIONS

- "Obstacle Detection for the Visually Impaired Using Arduino", International Conference on Trends in Electronics and Informatics (ICOEI), (Publication: **IEEE Xplore**) (Link)
- "Survey on Sentiment Analysis", International Journal Of Engineering Research and Technology (**IJERT**) (Link)
- "Conversational Assistant with Sentiment Analysis", International Research Journal of Engineering (**IRJET**) (Link)

ACHIEVEMENTS & AWARDS

- Awarded with a **grant worth INR 250,000** from the Innovation & Entrepreneurship Centre, leading to the successful development of the 'Obstacle Detection System for the Visually Impaired'.
- Received an **Award of Excellence** for integrating reporting engines from different servers into 'Report Scheduler' as per the timeline published to end customers at Perfios.
- Received the **'Most Innovative Project'** award and multiple other **Academic Awards** at BNM Institute of Technology.