

Sohan Patil

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"I believe that the best way to predict the future is to implement it in code."

Education

Stony Brook University

M.S. IN COMPUTER SCIENCE

New York, NY

August 2019 - Present

Government College of Engineering

B.E. IN COMPUTER SCIENCE AND ENGINEERING; GPA 8.345/10. **HONORARY SECRETARY** OF COMPUTER SCIENCE ASSOCIATION

Aurangabad, India

July 2013 - June 2017

Work Experience

Principal (offices at Pune)

Pune, India

SOFTWARE DEVELOPMENT ANALYST

July 2017 - August 2019

- As part of the Document Services team, developed an in-house **OCR Document and Data Capture tool** as a replacement to IBM's DataCap, potentially saving **\$500,000/year** in licensing costs. **Technologies used:** Angular 7, Google Tesseract API, Spring Boot, Liberty Server, Django
- As part of Principal International team, worked on developing **Individual/Group Policy management web app** using Angular 5 and Bootstrap. Provided dashboard view to agents for remote tracking and integrated **OAuth2** security framework into the app for securing the RESTful APIs.
- As part of the Operational Data Services team, contributed to improvements and bug fixes of the enterprise wide Master Data Management system using **Scaled Agile (SAFe)** practices. **Technologies used:** Spring Framework, SOA policy manager, Java Messaging Service, Spring AOP, JAXB, DB2
- Improved CI/CD pipeline and **reduced go-live time upto 30%** by integrating **code analyzer tools** like SONAR and HP Fortify with Bamboo build plans. Wrote JUnits and followed **Test Driven Development** approach attaining 100% code coverage in some modules.
- Saved **10 hours/2 week sprint** by implementing a Mulesoft based solution to synchronize Salesforce cloud DB with on-premise DB2.
- Used Java-Selenium API + shell scripting to automate Git branch management/cleanup task thus **improving team efficiency by 10%**.
- Used Google Web Speech API and rule-based ML to enable management of JIRA tickets through voice, improving employee productivity.
- Trained **6 interns** on domain knowledge as well as Agile practices, Git, Angular and Bootstrap Framework

Honors & Achievements

2019	All Staff Award , for topping quality and time expectations in the dual role of a Developer & Business Analyst	Principal@Pune
2018	Rising Star Award , for delivering 2.2x of expected in Q3 & Q4 of 2017 in a pool of 500+ employees	Principal@Pune
2018	Project Of The Year , cash prize of ₹ 55000 for a project enabling 180+ underprivileged graduates with IT jobs	Principal@Pune
2016	First Runner Up , in SEED Maha IT Idol, a state level coding competition against 73000+ competitors	Pune, India
2016	Finalist , in TCS Testimony, a national level code quality assurance competition in a pool of 86000+ others	Pune, India
2015	1st Place , in CodeKing 2015, a state level coding competition against 3000+ competitors	Aurangabad, India
2015	Finalist , in 'Manifest' by IIT Bombay, where I redesigned the website for the Ministry of Law to improve UX	Mumbai, India
2014	1st place , CodeJunkie 1.0, a national level C programming competition held at my undergraduate institute	Aurangabad, India
2014	1st place , in WebQuest 1.0, a departmental cryptanalysis competition held at my undergraduate institute	Aurangabad, India

Projects

Facebook movie spoiler blocker: Created a Chrome Plugin that scrapes keywords from TmDB to block spoilers around latest movies

Twitter Sentiment Analysis: Used DASH visualization with NLTK to detect live demographic sentiment over Twitter

Remote File Encryption System: Android app and Desktop app combination that secures user's personal file based on his distance from system

Fault Tolerant Mapreduce: Programmed a Fault Tolerant MapReduce master in Golang

Skills

Programming Python, Node.JS, C/C++, Scala, JAVA, OCaml, LaTeX
Web Django, Express, Redux, React, HTML5, LESS, SASS