Sohan Patil

Github: github.com/sohanpatil
Portfolio: sohanpatil.github.io

LinkedIn: linkedin.com/in/patil-sohan
Email: sdpatil@cs.stonybrook.edu
Mobile: +1-631-800-6179

EDUCATION

Stony Brook University New York, NY
M.S. in Computer Science *Aug 2019 - Expected Dec 2020*
Courses: Distributed Systems, Analysis of Algorithms, Data Science, Human Computer Interaction

Government College of Engineering Aurangabad, India
B.E. in Computer Science and Engineering; GPA: 8.345/10 - (Top 10% in class of 72) *July 2013 - June 2017*
Worked as Honorary Technical Secretary of the Department

SKILLS SUMMARY

- **Languages**: *Proficient* - Java, C, Typescript, Go, HTML / CSS. *Prior Experience* - C#, Python, PHP, SQL, Unix scripting
- **Tools and Frameworks**: Angular, Spring Framework, Android, Docker, Java Message Service, MapReduce, GIT, JIRA, Bamboo, Matlab, Pandas, Matplotlib, JSP, ASP .Net, OpenMP, CUDA

INDUSTRY EXPERIENCE

Principal (offices at Pune) Pune, India
Software Development Analyst *July 2017 - August 2019*

- Involved in development of an in-house OCR Document and Data Capture tool as a replacement to IBM's DataCap, potentially saving $500,000 per year in licensing costs
- Revamped Individual/Group Insurance Policy web-app using Angular 5 and Bootstrap. Provided dashboard view to help agents track their data. Secured REST API endpoints by integrating OAuth2 security framework
- 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 a total of 150 man hours every 2 week sprint by implementing a Mulesoft based solution to synchronize Salesforce cloud DB with on-premise DB2 LUW database
- Improved team efficiency by 15% by automating Git branch cleanup task using Selenium API + shell scripting
- Implemented fine grained access control to secure data views of the enterprise wide MDM tool
- Used Google Web Speech API and rule-based ML to enable management of JIRA tickets through voice
- Trained 6 interns on domain knowledge as well as Agile practices, Git, Angular and Bootstrap Framework

KEY PROJECTS

- **Distributed MapReduce**: Implemented a fault tolerant MapReduce scheduler in Go programming language
- **Spoiler Blocker Chrome Plugin**: Used JQuery to interface with The Movie Database API in order to block (blur-out) posts filled with movie spoilers over Facebook News Feed
- **Simple DB**: Implemented a rudimentary clone of SQLite which uses B Tree and B+ Tree as Index and Page file nodes
- **Live Twitter Sentiment App**: Experimented with NLTK, Tweepy and Pandas to provide a dynamic DASH graph that displays tweeps' sentiment against input keywords. Compared VADER and TextBlob approach reaching 83% accuracy
- **Remote File Security System**: Used RPC to encrypt/decrypt user's files on a shared computer via an Android app
- **Coding Contest Platform**: Developed a LAMP stack based platform for conducting 2 out of 3 rounds of various programming contests, year round. The platform was able to handle 500+ simultaneous users

ACHIEVEMENTS & EXTRACURRICULAR

- **All Staff Award** (2019) for topping quality expectations in a dual role of a Developer & Business Analyst
- **Rising Star Award** (2018) for delivering 2.2x of expected in Q3 & Q4 of 2017 from a pool of 500+ employees
- **Project Of The Year** (2018) awarded a total cash prize of 55000 rupees for 'Aatmanirbhar', a project that enabled 180+ deserving underprivileged graduates with IT jobs
- **Winner** of SEED Maha IT Idol (2016), a state level coding contest against 75000+ competitors
- **Finalist** in TCS Testimony (2016), a national level code quality assurance competition in a pool of 1,00,000+ others
- **Winner** in CodeKing (2015), a state level coding competition against 3000+ entrants
- **Finalist** in 'Manifest' @TechFest 2015, a website development hackathon by Indian Institute of Technology, Bombay