Rishabh Saxena

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY, MESRA   **Ranchi, India**
Bachelors in Engineering - Information Technology   Aug '14 - Jun '18

- Graduated **First-class with Distinction** with 8.18 GPA (top 10%) from Department of Computer Science and Engineering
- **Webmaster** at **ACM, BIT Mesra**; Conducted various programming challenges, workshops and hackathons across university
- **Network Admin** at **DC, BIT Mesra**; Maintained networks and security for content sharing platform and various online events
- **Speaker** at various events, trainings and workshops under **IET(UK) student chapter** and **ACM BIT, Mesra**

Awards and Achievements

- Awarded **Google India Challenge** Scholarship '18
- **National Rank 1** in Digital Ocean Online Cloud Hack '17
- Awarded **Web Summit** Student Scholarship '16 - **top 100**
- Finalists at India Innovation Challenge '17 - **top 0.05%**

WORK EXPERIENCE

YELP, INC.   **Hamburg, Germany**
Software Engineer - Backend, Business Growth   Jun '19 - Current

Helping business growth using data-driven decisions

- Designing new systems for scaling **business growth** using cross platform metrics and **data-driven** insights

BROWSERSTACK   **Mumbai, India**
Software Engineer - Backend Platform, Mobile   Jul '18 - Apr '19

Providing real mobile platform remotely to end users using scalable infrastructure

- Developed and maintained services with **complete ownership** to ensure **timely delivery** of features
- Maintained **production operations** and health of more than **5000 devices** on our **Device Cloud**
- Automated **application deployments** and **configuration managements** on platform using **Ansible**
- Improved **machine consistency** by implementing self-healing mechanism for hosts, reducing ops overheads & downtimes
- Improved **automatic on-boarding** for new machines in Device Cloud, reducing manual work for Device centre operators
- Researched and implemented various **unconventional system level solutions** for Android and iOS machines
- Created various **health and analytics reports** for devices and machines for **tracking metrics and alerting breaches**

INTEL   **Bangalore, India**
Software Engineering Intern - Research and Development, iCDG   Jan '18 - Jun '18

Engineered analytics driven solution for engineers to deliver insights for error and cause detection

- Developed and automated a faster **error log analytics** and **root cause identification pipeline**
- Created a dashboard for **visualising analytics reports and event delivery timelines** for detecting anomalies
- Re-engineered a core module to **reduce runtime by 80%**, thereby **saving 5600 man-hours per month**
- **Built and delivered core tools** used world-wide for analysis and introduced new features for **increasing productivity**

CROWDFIRE   **Navi Mumbai, India**
Software Developer Intern - Full Stack Engineering, hazir   May '17 - Jun '17

Developed internal communication and management tool for increasing employee efficiency

- Developed a **natural language processing bot**, which helped users to communicate and process their requests
- Implemented an **event notification framework** to deliver automated messages under certain conditions & track its progress
- Delivered **20 bug-free features to production** with **Agile methodology** using **Test-driven development** and **CI/CD** pipeline

OPEN SOURCE EXPERIENCE

MOZILLA   **California, USA**
Winter of Security, SSH Scan Observatory   Oct '16 - Apr '17

Created open-sourced security auditing command-line tool and distributed scalable backend API architecture

- Developed and maintained core **command line tool** to scan ssh servers over network and enhanced its functionality
- Developed **asynchronous REST API** endpoints using **queue-worker model** to achieve scalability, deployed on public cloud
- Programmed custom ruby **Object Relational Mapper**, which **reduced querying overheads**, supporting multiple databases
- Supported scanning of various versions and **implementations of SSH protocol** using **modularity** for easy maintenance

GOOGLE   **Nürnberg, Germany**
Summer of Code, SUSE Linux   Apr '16 - Aug '16

Contributed to Open Source Event Manager (OSEM) and developed key features for streamlining online transactions

- Contributed to OSEM with teams across **Europe** and **India** using **Agile** and **git**, ensuring correct and timely delivery
- Developed a new **online ticketing feature**, maintaining highest security standards for payment transactions (PCI compliant)
- Received mentorship in **TDD and pair programming** from industry experts and used them to coordinate efforts
- Presented work and attended workshops at **Annual openSUSE Open Source Conference '16** in **Nuremberg, Germany**

Personal Projects

- **VISIO** - Bridge framework for visually impaired; Analyses & converts online media feed using **image and sentiment analysis**
- **tuRING** - Smart IOT ring with **live data feed processing and visualisation** over **Bluetooth Low Energy** and **Sockets**

SKILLS

Languages: C++, Ruby, Python, JavaScript | **Frameworks**: Ruby on Rails, Django, Sinatra, AngularJS, node.JS
Principles: Waterfall & Agile SDLC, MVC & MVT architecture, Static Code Analysis, TDD | **Tools**: shell, vim, tmux, git, ansible