

SENIOR ENGINEER



MANASVI SAXENA



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ABOUT ME

I'm a passionate self-taught full-stack engineer with experience in building products from scratch. I've built multiple products with complex features on various stacks, set up infrastructure to run them, built pipelines to deploy them, and configured tools to monitor them.

A jack of many trades, I'm not a "master" in any one language or framework but have hands-on experience in using them to solve a variety of problems. I like to take a great deal of care in the architecture and the quality of code in the things that I build.

I have experience in using Scrum Agile Methodology at my work and have conducted daily scrums and bi-weekly sprint meetings. I've also set up various tech processes and lead and mentored multiple teams of different sizes and skillsets.

SKILLS & CAPABILITIES

- **Programming/Scripting Languages**
 - JavaScript, Python, Java
- **Front-end**
 - ReactJS, Redux, Bootstrap, HTML
- **Back-end**
 - Django, Flask, Vert.x, Node.js, Kafka
- **Infrastructure**
 - AWS, GCP, Firebase, Kong API Gateway, Docker, Kubernetes, Jenkins, Prometheus, Grafana
- **Database**
 - MongoDB, Redis, Elasticsearch, SQLite3
- **Tools**
 - Jira, Confluence, Git, Bitbucket, GitHub
- **Tech Skills**
 - Solution Architecture, Scrum, OAuth 2.0, Event driven architecture, Infrastructure monitoring, Atomic component design (UI) and Google Search 😊
- **Personal Skills**
 - High Ownership, Project Management, Leadership, Team Management, Collaboration, Passionate, Accountable, Problem Solving

EXPERIENCE

- **BetterPlace – Senior Engineer** (Bengaluru, Nov 2019 – Present)
 - As a Senior Engineer, I started by leading a team of four in developing BetterPlace's own Identity solution which is responsible for authorization, authentication, and access management for users across all products.
 - I then set up various modules like Kong API Gateway, Redis Cluster, Jenkins pipeline on Google Cloud Platform and contributed to dockerizing and pod deployment for various backend micro-services for all the environments. Later when we received credits for AWS I also migrated and set up the same infrastructure on AWS as well.
 - After setting up the team and making the platform stable, I then proceeded to start on another product - Onboard. Here, I lead a team of 5 developers, in architecting various channels like web, api and excel upload for employee onboarding and management into the BetterPlace products ecosystem.
 - After Onboard, I got to work on a third product - Attend. Here, I lead a team of 8 developers, and architected an event driven solution for complex features like attendance marking using Amazon Rekognition and report generations for over 300k employees distributed across multiple organizations.
 - Currently, my day-to-day responsibilities includes architecting tech solutions for various features associated with multiple products, doing code reviews, mentoring engineers, and coordinating with pod heads in planning and executing timely releases.

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- **BetterPlace – Engineer** (Bengaluru, Feb 2019 – Oct 2019)
 - I was amongst the first three platform team members and laid the foundation for the front-end project written in React. The platform is the core of the entire BetterPlace product suite and has workflows to connect various products.
 - I then took complete ownership of both frontend and backend (Vert.x, Node.js) of many core modules of the product and ensured quality development following industry best practices. I collaborated and worked closely with the Product Managers and Design team to develop various features for major releases.
 - As part of Verify product, I wrote highly scalable bots using Python to automate various background verification checks earlier supported through costly RPA solutions and human efforts by the operations team.
- **Robonomics AI – Software Developer Intern** (Remote, May 2018 - July 2018)
 - Created AI based chat bot interface using Google Dialogflow. Also used AWS EC2, S3 Bucket, Django and Bootstrap.
- **Comezo – Back-end Developer Intern** (Remote, Jan 2018 - March 2018)
 - Designed and configured database and back-end application using Django. Handled development and management of frontend user interfaces with the help of HTML, CSS.

EDUCATION

- | | | |
|------|---|--|
| 2019 | ○ | BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION |
| 2015 | ○ | Jaypee University of Engineering and Technology, Guna |
| | | • CGPA: 8.3 |
| 2015 | ○ | SENIOR SECONDARY EDUCATION |
| 2014 | ○ | All India Senior School Certificate Examination |
| | | • Percentage: 80% |
| 2013 | ○ | HIGHER SECONDARY EDUCATION |
| 2012 | ○ | Indian Certificate of Secondary Education |
| | | • Percentage: 89% |

PERSONAL PROJECTS

- **Map of Thrones [View]** – October 2018 – October 2018
 - A desktop version and interactive geovisualization of the kingdoms of Westeros using Leaflet and Django.
 - Other features include a discussion forum for G.O.T fanatics.
- **Online Judge System [View]** – Jan 2018 – May 2018
 - Written in Python and powered by Django, this system is developed to conduct programming contests.
 - Submitted programs are run with a time limit restriction. The output of the programs is captured by the system and compared with the standard output.