

Hemant Palavali

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EDUCATION

NEW YORK UNIVERSITY

January 2021 – Present // New York, USA

Master of Science in Information Systems

Coursework: Operating Systems, Programming Languages, Database Management Systems

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

August 2014 – May 2018 // Hyderabad, India

Bachelor of Technology in Computer Science & Engineering

Coursework: Advanced Data Structures, Distributed Systems

SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C++

Databases: MySQL, MongoDB, CouchDB, PostgreSQL

Libraries and Frameworks: Node, Express, React, Next.js, d3.js

Tools and Platforms: Git, Netlify, Heroku, Docker, AWS, Firebase, Algolia, Webpack

Testing Libraries: Chai, Mocha, Sinon

RELEVANT EXPERIENCE

Graduate Teaching Assistant @ NEW YORK UNIVERSITY

January 2021 – Present // New York, USA

- TA for courses in **Agile Software Development and DevOps** under professor Amos Bloomberg.
- Assisted students in understanding the core concepts in Javascript, React, Node, Agile Methodologies and DevOps
- Helped grade students' assignments on a weekly basis and held office hours to clear doubts
- Guided students to come up with better ideas and code in their projects. Provided detailed feedback periodically

Backend Engineer @ SPRINGROLE

October 2019 – December 2020 // Bangalore, India

- Built social interaction games and engagement features inside enterprise communication app Slack. Used by over **150k users today**, built it using **React, Node**; facilitated via Slack APIs and hosted on **AWS** using **S3, ECS, CodePipeline** and a dedicated **Redis** server. Also developed the payment infrastructure using stripe
- Developed **microservice architecture** for a dating app to handle the media, user engagement functionalities such as liking and disliking, notifications to all the mobile devices on various event triggers using **TypeScript**, Node.js and **Python**. Decreased the notification delivery time by 80% by moving to notification on event system instead of using a cron-scheduler
- Developed a client and business collaboration platform to allow facilitate **agile methodologies** and ease the collaboration between the aforementioned two; starting from inception to the end of a project. The functionalities include the creation of tasks, assignment, handling proposal requests for new projects and provide a transparent picture of the progress of the project
- Planned and developed an application to monitor subscriptions and renewals of a stand-up comedy streaming application and utilize third-party services (appsflyer & impact) to track revenue and decide the payouts of content creators and comedians using **Python**

Full Stack Developer Intern @ SOAL

January 2019 – August 2019 // Hyderabad, India

- Worked on building a recommendation system for a student portal application using **Tensorflow.js**, Node.js and React
- The systems core functionality recommended a student's strong and lacking areas based upon various assessments and also provide student partner recommendations for pair programming exercises

Analytics Intern @ TECH MAHINDRA

July 2018 – December 2018 // Hyderabad, India

- Implemented a system to automate the task of creating reports on PowerPoint for the GE support team by extracting the data directly from the ticket logs, processing the data and visualizing the data using **pandas** and **ggplot**
 - This project is saving over 70%-man-hours previously invested on the job
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PROJECTS

MEDSAFE

- Built a medical data storage and viewing application using React frontend framework and Node for backend application.
- The key feature of this application is to give authorized medical personnel access to a patient's medical records in case of exigency and contain the exacerbation of patient's complications