

# Venkata Sai Akhil Vemula

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## EDUCATION

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**Master of Science in Software Engineering Systems**, Northeastern University, Boston, MA **Expected May 2023**  
**Coursework:** Object-Oriented Design, Data Structures & Algorithms, Web Design, Design Patterns **GPA: 3.93**  
**Bachelor of Technology in Engineering**, JNTUH College of Engineering, Hyderabad, India **May 2019**

## SKILLS

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**Languages:** Java (expert), Kotlin, Python, Swift, JavaScript, PHP, C

**Web & Mobile:** RESTful APIs, Android, iOS, React, HTML, CSS, Spring Boot, Bootstrap, JWT

**Cloud & DevOps:** AWS, GCP, Azure, Jenkins, Docker, Ansible, Terraform, Microservices

**Databases:** SQL, MySQL, PostgreSQL, AWS RDS, NoSQL

**Miscellaneous:** Git, Maven, Gradle, CI/CD, Unit Testing, JUnit, Postman, Linux, Bash, Agile

## WORK EXPERIENCE

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**Software Engineer** - Wipro Limited, India *[Java, Spring, Cloud DevOps, PostgreSQL, Agile]* **Jun 2019 - Aug 2021**

- Developed scalable RESTful web services & Cloud DevOps pipelines for a Wipro solution named Cloud Studio
- Created more than 25 critical cloud migration & IAC patterns by developing Terraform templates. Automated these pattern deployments through Cloud Studio by building Jenkins jobs & RESTful APIs
- Optimized database transactions by designing PostgreSQL views for large SQL queries leading to 20% and 5% improvement in database query execution and RESTful APIs response time, respectively
- Automated software installation & application deployment into cloud services provisioned through Cloud Studio by creating Ansible playbooks leading to 40% faster operations
- Improved application move-group generation speed by 65% by implementing multi-threaded parallel processing
- Demonstrated Cloud Studio core features & functionalities on every new release to Wipro delivery teams and customers

**Web & Mobile Developer** - Upwork (Freelance - [Profile](#)) *[Android, iOS, Web, Kotlin, Swift, Java]* **May 2017 - Jun 2019**

- 5 star rated and one of the Top-Rated Web & Mobile developers on Upwork
- Developed 45 web/mobile applications with a 100% job success score and collaborated with 30 plus global teams
- Worked on a broad range of full-stack Web, Android & iOS projects such as admin dashboard, delivery, event management, and inventory management

## PROJECTS

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**Proxynel Android Browser** - Golzak (Upwork - [App URL](#)) *[Kotlin, XML, SQLite, Firebase]* **Jan 2019 - May 2019**

- Enhanced the Android browser with 10,000,000+ downloads by improving efficiency, fixing bugs, and adding new features such as request proxying, IP Switching
- Improved rendering time & responsiveness of the application by 40% by implementing lazy resource loading leading to a 30% reduction in app bootup
- Fixed critical bugs resulting in over 90% reduction in ANR crashes and 15% improvement in application rating

**MIS Portal**, SNR EDatat Pvt Ltd (Upwork) *[React, Spring Boot, Java, MySQL]* **May 2018 - Feb 2019**

- Developed a React & Spring Boot based web application for tracking the enrollment of students
- Implemented a highly secure, role-based authentication and authorization system using Spring Security
- Created Java cron jobs and executed concurrent batch processing for generating reports based on different types of groupings

## CERTIFICATIONS

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- **Microsoft Certified: Azure Administrator Associate (AZ-104):** *Credential ID. H633-7402*
- **Google Cloud Associate Cloud Engineer:** *Credential ID. 14394924*
- **Google Associate Android Developer:** *Credential ID. 11844189*