# ADITYA SINGHANIA
**SSE | System Designer**
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## PROFESSIONAL EXPERIENCE

### Eywa Team (UAM and BMS module)
**VOLTERRA (now F5, INC.) - SSE**                    *JAN '21 - PRESENT*

- The service handles the **customer account / billing** lifecycle management, and powers the **RBAC** framework.
- Built the **SCIM integration** pipeline for users and groups synchronization with the providers
- Designed the framework for **Inter-Account RBAC**
- Optimized the response time for the public APIs **(< 25ms for 99 %tile)** via in-app **caching** / **indexing**
- Technology Stack - **Golang** services deployed on **K8S**, served over **GRPC / HTTP**, storage in **etcd DB**

### Product Engineering Team
**EXOTEL TECHCOM PRIVATE LIMITED - SDE III**        *DEC '18 - DEC '20*

- Built a horizontally scalable **websocket** service (variables - **1 lakh** connections / instance, i/p - **10,000 messages/sec**, with a delivery latency of **6ms** for **99 %tile**)
- Exposed **customer facing APIs (**response time **<10ms** for **99 %tile** with **four and a half 9s** of availability**)**.
- Worked on customer products like an **data analytics / aggregation pipeline** and 2FA (sOTP, vOTP**, nOTP)**
- Designed and worked on company wide initiatives for **Technology Documentation** and **Git Branching Model**
- Technology Stack - **Golang,** Java, NodeJS, PHP**, mySQL, MongoDB, Aerospike,** Redis, AWS, Kubernetes

### Analytical Calculation Engine / RegHub Core
**CITIBANK PVT. LTD., PUNE - TECH. ANALYST**        *JUL '16 - NOV '18*

- Worked on **replacing IBM Symphony grid** with **K8S (managed via Openshift)** to spawn jobs of pricing trades through 10k simulation paths. This **saved millions of dollars a year of Symphony licenses** and H/W costs
- Built a **central framework** for constructing data pipelines, via **Apache Kafka and Apache Storm**

## EDUCATION

### Visvesvaraya National Institute of Technology, Nagpur
**B. TECH., COMPUTER SCIENCE AND ENGINEERING**       *JUL '12 - MAY '16*

### Smt. Meherbanu College of Science, Akola
**HSC, MAHARASHTRA STATE BOARD**                     *JUL '10 - MAR '12*

### Mount Carmel Sec. and Higher Sec. School, Akola
**SSC, MAHARASHTRA STATE BOARD**                     *MAR '10*

## TECHNOLOGY STACK

**DAY-TO-DAY COMFORT**
- **Golang**, **Java** (java 8)
- **CLOUD**- AWS, Docker, K8s
- **MESSAGING / PROCESSING-** Apache Kafka, Beanstalkd, ELK stack
- **CACHE / STORAGE-** etcd, MySQL, MongoDB, Aerospike, Redis
- **PROTOCOL**- Websocket, GRPC/HTTP, SCIM

**ALSO HAVE SOME EXPERIENCE WITH**
- PHP, Python (3+/ 2+), C/C++, NodeJS
- **FRONTEND**- AngularJS, Javascript/HTML

## POSITIONS OF RESPONSIBILITY

### Citibank, Pune
**MENTOR for CITI BRIDGE**                           *MAR '18*

- **Mentored** a batch of college students at the connect program and for the projects

### Make A Difference, Nagpur
**HEAD: OPERATIONS/FINANCE**
                                                     *APR '13 - MAR '16*
- Engaged with various responsibilities to head the organization's **operations / finance** at the shelter homes

### VNIT, NAGPUR
**STUDENT MENTOR**                                   *JUL '14 - MAY '15*

- A **mentor** to a batch of 15 first year students for academic and social endeavors in the college

## HIGHLIGHTS

- **Published** various technology **articles** at the house **Medium - The Startup**
- Active **public speaker** at various engineering **forums**
- Scholarship holder for the **Tata Jagriti Yatra** '16
- AIR **5271** in **IIT-JEE** '12 (**99.05 %tile**)
- Budding story **writer** and an enthusiastic **traveler**