

Sushen Kumar

kumar@sushen.dev ♦ (312) 536-6188 ♦ 410 S Morgan St, Chicago, IL - 60607

WORK EXPERIENCE

University of Illinois at Chicago

Graduate Assistant - Database Developer

May 2021 – Present

Chicago, IL

- Architecting end-to-end data pipelines for clinical research data at the University of Illinois, Chicago
- Developing APIs in Scala for authentication, anonymization and report generation from clinical data
- Automating report generations from anonymized medical records, that reduced time spent by case managers by 50% per week

Chefling, Inc.

Software Engineer

Oct. 2019 – Jan. 2021

Sunnyvale, CA (Remote - Bangalore)

- Designed and developed microservices in Golang to process numerous data from sql/mongo
- Spearheaded infrastructure that led to 10x faster microservice deployments with Docker and Kubernetes
- Led migrations of VM-based services and applications to docker containers for high availability and 2x cost reductions
- Architected and led the backend development of [Chefling-Pantrychic](#), worked with stakeholders to ensure timely delivery
- Developed middleware for authentication and recipe-filtering/recommendations
- Wrote scripts for databases, deployment and configuration management on multiple environments
- Architected Infrastructure as a code using Cloudformation which increased 100% deployment productivity

Statosphere Technology Ltd.

Co-Founder and Software Engineer

Aug. 2018 – Oct. 2019

Bangalore, India

- Bootstrapped a platform for soccer academies and clubs to understand performance on the soccer field through tracking algorithms
- Led a cross-domain team of 4 to develop Scout: Platform for soccer academies to track the progress of students
- Collaborated with soccer clubs in Bangalore for post-game insights

EDUCATION

University of Illinois at Chicago

Master of Science in Computer Science

April 2022 (Expected)

GPA: 3.83

Coursework: Concurrent Computing Systems, Statistical NLP, Blockchain, Natural Language Processing, Mobile Platforms, Algorithms, Advanced Software Engineering, Object/Functional Programming, Deep Learning for NLP

Visvesvaraya Technological University

Bachelor of Engineering in Computer Science and Engineering

June 2019

GPA: 3.75

PROJECTS

- [ActorSecrets](#): Distributed, resilient, actor-based application security generator; with AKKA in Scala
- [RateMyCourse](#): NLP-based course evaluator plus peer-review scraper, with nltk/vader/textblob sentiment analysis in Python
- [Glark](#): Open-source Grafana to LarkSuite communicator, for real-time Kubernetes cluster scaling/monitoring
- [GetThis](#): Scalable, content-management platform, based on the pub-sub model with LMAX Disruptor in Java

HACKATHONS

- Winner at DELL INDIA Futurist - Application Development Challenge, India, 2019 (Nation-wide)
- Winner at MMA Vodafone Ideathon - Bangalore, 2018
- Runner up at IESA Makeathon - India, 2018 (Nation-wide)
- Winner at ValuePitch Hackathon, Bangalore, 2017 (State-wide)

SKILLS & INTERESTS

- **Programming:** Golang, Scala, Java, Python, HTML/CSS, Bash, C/C++
- **Technologies / Tools:** AKKA, AWS, MySQL, Postgres, MongoDB, Git, Docker, Kubernetes, Redis, React, SparkJava, Elasticsearch, Linux, Android, Nginx, Jenkins, SonarCube, TravisCI
- **Libraries:** NumPy, Pandas, SciPy, Scikit-learn, NLTK, PyTorch, Tensorflow, Vader, SpaCy
- **Other:** Knowledge and experience with SDLC, Language Processing, DevOps, Distributed ledgers, Agile Software Development
- **Publications:** [An Effective Approach to Discern Leaders in Wireless Sensor Networks](#)-DOI: 10.9790/0661-2006031420
- **Interests:** Professional mentoring, Music Production, Parliamentary Debate, Grade IV - Indian Classical Instruments & Singing