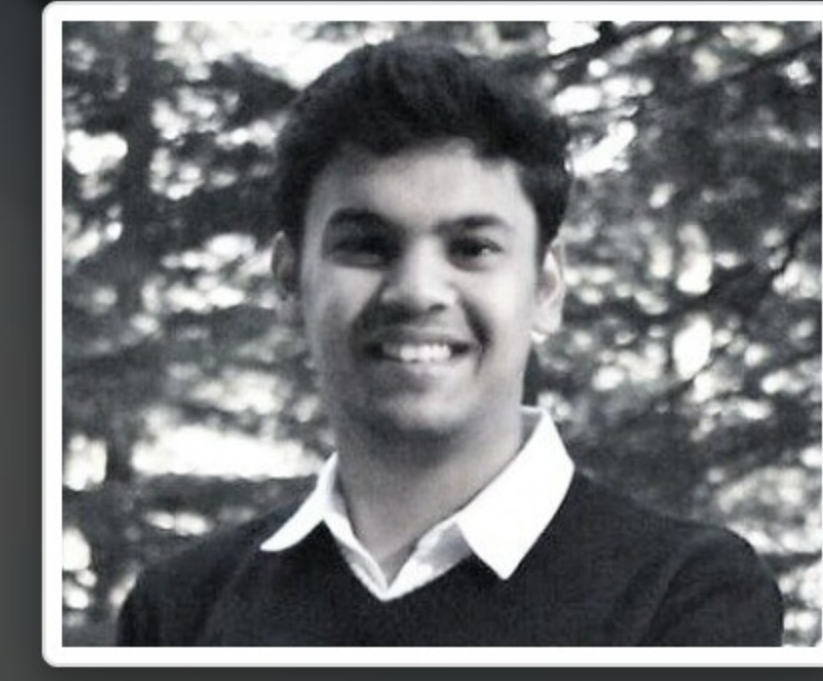


# Akhil Shukla

Senior Software Engineer



## About Me

Hello! I'm Akhil, a highly motivated and resilient **Full Stack Developer** with a **DevOps** orientation. 5+ years of experience in building **scalable web applications** while focusing on the **CI/CD best practices**. Skilled at **back-end development** and a master of **cloud technologies**, I am a quick learner and a team player that gets the job done. **Collaboration** and **hard-work** are my keys to maximize timely deliverables.

## Details

📅 <b>D.O.B.</b>	1st October, 1996
✉️ <b>Email</b>	aks.mnnit.cse@gmail.com
📞 <b>Phone</b>	+1 778-859-3196
📍 <b>Location</b>	BC, Canada

## Professional Skills

### JavaScript & NodeJS/Express



### MongoDB & Database Design



### TypeScript & NestJS



### React & NextJS



### Python



### CI/CD Pipelines



### Amazon Web Services



### Containerization



### ELK Stack



### Retool



## Work Experience

### Senior Software Engineer at Ardent SoftSol, Surrey (Canada)

February 2024 - Present

- Ported code for multiple cron jobs to **AWS Serverless Framework**

### Senior Software Engineer at Talentica Software, Pune (India)

October 2022 - January 2024

- Built and managed **20+** student-loan servicer integrations which have connected **80K+** users to the platform.
- Designed and implemented a high-fidelity payment system that has processed **7K+ transactions**, totalling **US\$1.5M**.
- Improved scalability of daily cron job to handle data refresh of **100K+ student-loan accounts** using **AWS Lambda** and **SQS**.
- Implemented caching using **Amazon ElastiCache for Redis** to reduce API response times by 70%.
- Implemented CDN hosting using **AWS CloudFront** to load drop-in modules gracefully in an adaptive and responsive iframe.
- Worked on **scalability** and **performance** enhancement of multiple inter-linked applications.

### Software Engineer at Talentica Software, Pune (India)

April 2020 - September 2022

- Single-handedly created the **NodeJS** backend framework and **BitBucket CI/CD** pipelines for a Series A funded US startup.
- Set up the **AWS Auto-Scaling** after giving careful consideration to the expected incoming users count and CPU utilization factor.
- Improved horizontal scaling of the platform by implementing Message Queue pattern in **NestJS** and **RabbitMq**.
- Made the application SEO-friendly and improved the page load times by leveraging **NextJS**.
- Enabled better customer data analytics (conversion rate, turnaround time, etc) with the help of **Segment** events and **Mixpanel**.
- Introduced **Dockerised** setup for the entire application to reduce developer onboarding time by 30% and facilitate code execution congruity on varied developer machines.

### DevOps Engineer at Deloitte USI, Bengaluru (India)

August 2018 - March 2020

- Responsible for the migration of a Fortune 500 company's application from on-premise infrastructure to **AWS-based** cloud solutions.
- Automated the task of infrastructure provisioning, thereby eliminating hours of manual effort, with the help of **Terraform**.

## Education

### Master of Arts in Industrial and Organisational Psychology

Indira Gandhi National Open University, New Delhi (India)

Year of Completion  
2023

### Bachelor of Technology in Computer Science and Engineering

Motilal Nehru National Institute of Technology, Allahabad (India)

Year of Completion  
2018

### Indian School Certificate

St. Francis' College, Lucknow (India)

Year of Completion  
2014

### Indian Certificate of Secondary Education

St. Francis' College, Lucknow (India)

Year of Completion  
2012