

# SHUBHAM KUMAR GUPTA

Senior Automation Developer

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## PROFESSIONAL SUMMARY

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Senior Automation Developer with 3+ years of experience specializing in DevOps, cloud infrastructure automation, and configuration management. Proven track record of reducing deployment times by up to 80% through innovative automation solutions. Expert in Azure cloud services, Terraform, Puppet, and PowerShell with strong full-stack development background.

## WORK EXPERIENCE

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### Senior Automation Developer

Jan 2024 - Present

#### Hexagon

- Migrated Smart Cloud's ARM template (JSON) based deployments to code-based deployments using Terraform
- Implemented and delivered Puppet profiles for configuration of Hexagon WebAPI products, reducing delivery time by up to 80%
- Architected and maintained Cloud Automation backend services for Intergraph Smart Cloud Portal, collaborating closely with frontend teams to integrate seamless application delivery workflows
- Streamlined user onboarding, product deployment, and upgrade processes for Hexagon products hosted in Smart Cloud environment, ensuring rapid delivery and enhanced user experience
- Provided ongoing support for ad-hoc automation via PowerShell scripts and Azure Runbooks

### Automation Developer

Sep 2022 - Jan 2024

#### Hexagon

- Automated Azure Resource Provisioning using Terraform, ARM Templates, and PowerShell Runbooks with Az-Module
- Supported configuration automation team working on Puppet and Azure DSC
- Developed and maintained infrastructure as code solutions for cloud deployments

### Software Engineer

Mar 2022 - Jul 2022

#### Smiota

- Automated various workflows using Java, Selenium, and Appium
- Contributed to Angular and Java Servlets development as part of the development team

### Software Engineer

Jul 2021 - Feb 2022

#### Hashedin By Deloitte

- Delivered production bug fixes for a HealthCare client
- Collaborated with cross-functional teams to ensure quality deliverables

### Software Engineering Intern

Feb 2021 - Jul 2021

#### Hashedin By Deloitte

- Developed xContract - a document management system for MSAs and SOWs using React and Java Spring Boot
- Built gTranscriptor - a Google Meet transcription application using React, Firebase, and jQuery

## TECHNICAL SKILLS

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### Cloud & Infrastructure:

Azure, Terraform, ARM Templates, PowerShell, Azure Runbooks

### Configuration Management:

Puppet, Azure DSC, Puppet DSC

### Programming Languages:

Java, Python, PowerShell, Ruby, Haskell

### Development Frameworks:

React, Java Spring Boot, Angular, Firebase

### Automation & Testing:

Selenium, Appium, GitLab CI/CD, Azure DevOps

### Domain Expertise:

DevOps, Infrastructure as Code, Cloud Automation, CI/CD Pipelines

## KEY PROJECTS

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### Nand2Tetris - Computer Design

*Technologies: VLSI, HDL, Digital Design, Compiler Design*

- Designed a complete computer system from hardware to software, including building a game called Tetris
- Learned fundamentals of OS, Compiler Design, and Digital Design under Prof. Kamakothi's guidance

### xContract - Document Management System

*Technologies: React, Java Spring Boot, GitLab CI/CD, GCP*

- Streamlined writing, reviewing, and making changes to legal documents like MSAs and SOWs
- Implemented automated workflows for document approval and version control

### gTranscriptor - Meeting Transcription App

*Technologies: React, Firebase, jQuery, Chrome Extension API*

- Developed web application with Chrome extension to record and store Google Meet transcriptions
- Implemented features including Google SSO, transcript management, and advanced search functionality

## EDUCATION

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### Bachelor of Engineering in Computer Science and Engineering

2017 - 2021

[Chandigarh University](#)

CGPA: 7.75/10.0

## CERTIFICATIONS

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### Problem Solving (Advanced & Intermediate)

[HackerRank - Feb 2020](#)

### SQL (Intermediate)

[HackerRank - May 2020](#)

### Modern Application Development

[NPTEL - Feb 2020](#)

### React (Intermediate)

[HackerRank - Mar 2021](#)

### Data Structures & Algorithms

[NPTEL - Aug 2019](#)

### Ethical Hacking

[NPTEL - Feb 2020](#)