# Jitendra Kovvuri
## *Software Engineer*
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## SUMMARY

Results-oriented and seasoned software engineer with over 4 years of hands-on experience in full-stack development, specializing in Python, Node.js, and Go. Proven expertise in designing and implementing scalable and efficient solutions for complex software challenges. Adept at collaborating with cross-functional teams to deliver high-quality software products. Successfully developed and optimized systems, including deploying solutions on major cloud platforms. Recognized for improving efficiency and reducing resource consumption. Enthusiastic about achieving results and contributing to innovative projects. Ready to bring valuable skills and experience to enhance team success.

## PROFESSIONAL EXPERIENCE

**Software Engineer**                                                                               Jan 2024 – Present
*Doublene, USA*
- Developed RESTful APIs using Python and Node JS and implemented asynchronous programming techniques to enhance system responsiveness.
- Utilized Python for scripting and automation tasks, improving deployment processes and system maintenance.
- Collaborated actively in troubleshooting and resolving software defects, making a swift impact on the codebase's overall quality as a recent addition to the team.

**Software Engineer**                                                                   June 2023 – December 2023
*COI Energy, New York, NY*
- Implemented RESTful APIs using Typescript and NestJS to facilitate seamless communication between different components and the mobile application, optimizing data transfer and interactions within the application.
- Orchestrated the seamless deployment of the application on AWS, leveraging AWS Elastic Beanstalk, AWS Lambda, and AWS RDS to ensure high availability and scalability; reduced server downtime by 40% and achieved 99.9% uptime.
- Collaborated with Design Teams to implement agile methodologies, increasing overall productivity and efficiency.
- Implemented testing for critical features in the company's main web application, leading to improved reliability and performance.

**Software Engineer Intern**                                                              May 2023 – August2023
*Prosumer Grid, Atlanta, GA*
- Implemented a converter using the DiTto Library and Python for seamless data transformation.
- Developed a resilient, multi-language client-server architecture leveraging gRPC for the direct conversion and loading of standard grid formats.
- Leveraged strong verbal and written communication skills to write clear, concise code documentation for software applications.

**Senior Software Engineer**                                                       January 2021 – December 2021
*Great Software Laboratory, Pune, MH, India*
- Led the porting of microservices to GO Lang, reducing resource consumption by 40% and improving performance by 45%
- Led a cross-function team of developers, fostering an environment that encouraged members to learn new skills.
- Developed custom integrations and solutions for the IBM Multi Cloud Management Platform, aligning withdesign and architecture best practices.
- Ensured maintainable code through rigorous code reviews and adherence to coding standards.
- Conducted thorough testing to guarantee software reliability, especially in the context of Distributed Systems

**Software Engineer** June 2018 – December 2020

*Great Software Laboratory, Pune, MH, India*

- Designed and implemented microservices based on RESTful APIs using industry-standard frameworks and tools.
- Led the development of Alibaba cloud adapter using Node.js and SDKs, integrating it with MCMP for efficient provisioning and management of cloud resources.
- Upgraded API Gateway to integrate with third-party authentication providers, enhancing client login options.
- Contributed to the Software Development Life Cycle through coding, testing, and operations activities.
- Ensured code maintainability by following best practices and conducting regular code reviews.

**Software Engineer Intern** January 2018 – May 2018

*Great Software Laboratory, Pune, MH, India*

- Leveraged Python and Docker to implement internal tools for virtual machine and container migration, streamlining the migration process and improving operational efficiency.
- Revamped the UI and backend architecture into Microservices, for enhanced scalability and efficient service-based development.

## SKILLS

**Languages:** Python, Node.js, TypeScript, GO Lang, C++, Java, Bash
**Web**: Django, Flask, Express, Nest.JS, Gin, RESTful APIs, gRPC, JSON
**Cloud**: AWS, GCP, Docker, Kubernetes, Helm
**Database**: PostgreSQL, MySQL, MongoDB, Redis
**Operating Systems**: Linux (Ubuntu, Red Hat), Mac OS
**Tools**: Git, GitHub Actions, Atlassian JIRA, JFrog, CI/CD, Slack, Rabbit MQ, Postman
**Version Control:** Git
**Methodology:** Agile

## LEADERSHIP EXPERIENCE

**Graduate Teaching Assistant** August 2022 – May 2023

*Binghamton University, State University of New York, Binghamton, NY*

- Assisted full-time faculty in instructing 42 students, preparing, and grading technical assignments.
- Conducted weekly office hours, providing individualized support to enhance student learning.

## EDUCATION

**Master of Science in Computer Science** December 2023

*Binghamton University, State University of New York, Binghamton, NY*
GPA: 3.94/4.0
**Bachelor of Technology in Computer Science and Engineering** May 2018

*Lovely Professional University, Punjab, India*
**Relevant Coursework:** Design & Analysis of Algorithms, Data Structures, Programming Languages, Design Patterns, Intro to Artificial Intelligence, Operating Systems