# PANKAJ CHAUDHARY

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## EDUCATION

**Master of Applied Science in Computer Engineering**  January 2022 - September 2023
Memorial University of Newfoundland and Labrador, St.John's, Canada  3.7 GPA
**BE, Computer Science**  June 2027 - May 2021
Parul University, India  3.91 GPA

## TECHNICAL SKILLS

**Programming:**  Python, C, C++, Java, Javascript/TypeScript, SQL, Go, Shell(Linux)
**Technologies and Frameworks:**  Spring Boot, NextJs, NodeJs, ReactJs, GraphQL, AWS, Docker, Kubernetes, Git
**Other:**  Agile(Scrum and Kanban), SDLC, Open Source, CICD, Backend, Full-Stack, DevOps, Unit Testing, OOPS
**Certifications:**  AWS Certified Cloud Practitioner

## PROFESSIONAL EXPERIENCE

**ByteBurst, St. John's, Canada: Software Developer**  September 2023 – June 2024

- Collaborated on a side-of-desk full-stack web application project to generate dynamic data visualizations using React, Node.js, Express, and MongoDB
- Developed a highly scalable microservices architecture using Node.js and Kubernetes, increasing system throughput by 60% and enabling the company to handle an additional 21,000 monthly users.
- Implemented A/B testing framework using React and Optimizely, resulting in a 20% increase in conversion rates and generating an additional 19% increase in quarterly ad revenue.
- Streamlined development workflows by introducing GitFlow branching strategy and automated testing with Jest, reducing time to market for new features by 3 weeks and improving overall code quality.
- Orchestrated the migration of legacy monolithic applications to serverless architecture on AWS Lambda, reducing infrastructure costs by 43% and enabling automatic scaling based on demand fluctuations.

**Plusnode Automations, India: Full-Stack Developer**  December 2021 - November 2022

- Developed a scalable backend system using Spring Boot and Java for a real-time monitoring application, integrating with AWS services for data storage and processing, resulting in a 40% improvement in system performance.
- Implemented GraphQL APIs with Node.js and Express for a data visualization platform, enabling flexible data querying and reducing frontend development time by 30%.
- Utilized Docker and Kubernetes to containerize and orchestrate microservices for a distributed data processing pipeline, achieving a 50% reduction in deployment time and ensuring high availability and fault tolerance.
- Led the adoption of Git for version control and CI/CD pipelines with Jenkins, streamlining the development workflow and enabling continuous integration and delivery of software updates.

## PERSONAL PROJECTS

**Delivery Tracking System (link):** Implemented a highly scalable microservice architecture consisting of 5 services

- Leveraged Django and Docker to develop REST / gRPC services for efficient data transfer of vehicle coordinates.
- Orchestrated deployment of Kafka on AWS EKS using Kubernetes operator for inter-service communication.
- Coded Frontend using ReactJs, Tailwind and Server-Side Events (SSE) to show live delivery status on a webpage.
- Streamlined infrastructure management with Terraform and Jenkins, to achieve deployments under 5 minutes.

**ResumeNinja (link) :** Developed a comprehensive open-source resume builder and parser with modern design and ATS compatibility.

- Implemented a responsive UI with TypeScript, React and Next.js that updates the resume PDF in real-time, allowing users to see the final output instantly as they input their information.
- Integrated Redux Toolkit and Tailwind CSS for state management and styling.
- Enabled users to import existing resume PDFs, utilizing PDF.js to read content and React-pdf to update the design.