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Senior Software Developer with over 5 years of experience in backend engineering, API development, and cloud automation. Skilled in building scalable SaaS platforms, AI-driven systems, and DevOps pipelines. Experienced in Python, Django, Flask, Node.js, PostgreSQL, AWS, and n8n automation. Demonstrated success in designing intelligent workflows, optimizing infrastructure, and automating business operations using AI models (OpenAI, Ollama) and AWS services (Textract, Lambda, S3). Passionate about backend architecture, cloud reliability, and AI-powered automation.

Technical Skills

- Programming Languages: Python, JavaScript, TypeScript, SQL, PHP, Bash, PowerShell
- Frameworks: Django, Flask, FastAPI, Node.js, React.js, React Native, AngularJS,
- Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLAlchemy
- Cloud Platforms: AWS (EC2, IAM, RDS, S3, Lambda, CodeDeploy, CodePipeline, CloudFront), OpenShift, Kubernetes, Docker, Cloudflare
- AI & Automation Tools: n8n, Ollama, OpenAI, Selenium, AWS Textract, Redis, JWT, OAuth 2.0
- CI/CD & DevOps: GitHub Actions, AWS CodePipeline, Docker, Kubernetes, Unit Testing
- Developer Tools: VS Code, Cursor, Xcode, Git, Postman, MySQL Workbench, Postgres, Swagger

PROFESSIONAL EXPERIENCE

CGI Inc.

Jan. 2021 – Present

Senior Software Developer – Cloud & Infrastructure Automation

Stratus+ is CGI's internal cloud platform, enabling clients to provision and manage virtual machines in a secure, multi-tenant environment.

- Integrated **OpenShift AI** to support model uploads and inference APIs for internal users, enabling scalable model serving and access to hosted models.
- Integrated with OLVM using the **OLVM SDK** to automate virtual machine operations, including creation, snapshots, reboots, and shutdowns. Developed a custom SDK handler to simplify and standardize interactions with OLVM. Automated ISO attachment, network assignments, and the creation of related infrastructure components such as port groups, hosts, and clusters. Designed and enforced resource pool quotas to manage usage effectively.
- Led the design and implementation of the orchestration layer for the **Stratus+ project**, powering multi-step infrastructure workflows such as machine provisioning. Built a system that dynamically constructs API payloads and sequences calls across microservices, including IP allocation, hostname generation, and VM creation.
- Integrated **PagerDuty** to track failures and auto-assign incidents to the correct on-call team. Optimized performance through multithreading and implemented cron-based health checks to ensure timely and reliable task progression.

- Leveraged **vSphere APIs** to automate virtual machine cloning and ISO image attachment, streamlining infrastructure provisioning.
- Built a broadcasting system that integrated **EWS** for email notifications and Teams **webhooks**, ensuring real-time communication for critical operations.
- Developed a **custom PagerDuty** integration, replacing deprecated SDKs with an in-house solution for incident management and automated alerting.
- Worked extensively with **microservices**, **Kubernetes**, and **Flask-based APIs**.

Key Technologies: Python, Flask, Kubernetes, Microservices, Docker, vSphere, OLVM SDK, PagerDuty API,, OpenShift AI

Kodelle Inc.

August 2020 – January 2021

Software Developer – SaaS & Mobile Platforms

- Designed and launched **Sakeena**, a matchmaking SaaS platform available on **Google Play** and **Apple App Store**, built with **React Native (Expo)** and a **Flask** backend.
- Implemented **Expo Updates** and **Expo Notifications** for real-time app refresh and push notifications across iOS and Android.
- Built and maintained **sakeena.io**, a responsive React.js website serving as the app's landing and web access point via **Expo WebView**.
- Integrated **Stripe**, **Google Play Billing**, and **Apple In-App Purchases** with dynamic regional pricing.
- Developed secure **REST APIs** for user authentication, subscription management, and profile data handling.
- Improved backend scalability and caching performance using **Redis** and optimized AWS services for media and monitoring.
- Deployed and monitored production workloads on **AWS (S3, EC2, ECR, Grafana)**.

Key Technologies: React Native (Expo), Expo WebView, Expo Notifications, Flask, React.js, Redis, AWS (S3, EC2, ECR, Grafana), Stripe API

Projects

AI Receipt Parser Agent

- Built an AI-powered automation agent that reads business receipts, extracts key fields (totals, vendor, category) using **AWS Textract**, and classifies expenses locally with **Ollama** LLMs — fully self-hosted.
- Integrated with **n8n** for event-driven orchestration and **Telegram Bot API** to deliver instant expense summaries and alerts.
- Eliminated dependency on paid APIs by deploying open **models locally**.
- Showcased how **AI agents** can perform human-level document understanding and autonomous notification handling.

Key Technologies: n8n, AWS Textract, Ollama, Telegram Bot API, Python

AI Resume Screening Agent

- Developed an AI agent that evaluates resumes against job descriptions using local **LLMs** (Ollama) and automatically ranks candidates in Airtable based on skill relevance and match score.
- Extracts applicant data (name, email, phone, skills) from uploaded PDFs and compares them to required competencies in real time.
- Generates structured JSON feedback, including why the candidate is or isn't a good fit, enabling recruiters to make faster, data-driven decisions
- Configured **S3 buckets** and **IAM** roles for controlled file uploads.
- Built and deployed a serverless **AWS Lambda** function to generate presigned S3 URLs, allowing n8n forms to upload resumes to S3 for secure processing.
- Highlights the practical application of AI agents in recruitment, combining document parsing, reasoning, and workflow automation without external dependencies.

Key Technologies: n8n, AWS S3, AWS Lambda, Ollama, Airtable API, Python

EDUCATION

Thompson Rivers University, BC, Canada

September 2025 - 2027

Bachelor of Science - Computer Science

Seneca Polytechnic, ON, Canada

September 2019 - 2022

Bachelor of Technology - Software Development

GPA 3.5 out of 4.0

KEYWORDS (ATS)

Python, Django, Flask, FastAPI, Node.js, React.js, PostgreSQL, AWS, n8n, OpenAI, Ollama, Automation, Backend Developer, Cloud Engineer, DevOps, Docker, Kubernetes, Microservices, Jenkins, REST APIs, SaaS Development, Redis, SQLAlchemy, OAuth 2.0, JWT, Stripe API, Cloudflare, AWS Lambda, AI Developer, Workflow Automation, CI/CD, Cloud Infrastructure, Terraform, AWS Textract