

# Christian Hogan

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Results-driven Senior Software Engineer (9+ years) specializing in cloud-based application development and deployment. Expertise in backend development and DevOps, including API development, API integrations, microservices, B2B SaaS platforms, enterprise systems, legacy codebases, LLM integrations, and team mentorship. Proven ability to lead teams, architect solutions, and optimize processes for significant efficiency gains. Proficient in Python, FastAPI, Django, Flask, Docker, Kubernetes, Terraform, Amazon Web Services, Git, CI/CD, SQL, NoSQL. Experienced in supply chain automation, incident management, data ingestion, and e-commerce.

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## SKILLS AND EXPERTISE

Python (9 years)	Flask (9 years)	Django (7 years)
FastAPI (2 years)	Amazon Web Services (9 years)	Ruby on Rails (2Yrs)
Node.js (1 year)	React (3 years)	TypeScript (3 years)
JavaScript (5 years)	SQL (9 years)	NoSQL (9 Years)
Git (9 years)	CI/CD (9 years)	Docker (5 years)
Terraform (3 years)	Kubernetes (4 years)	API Integration (3 yrs)
Backend development (9 years)	Team management (2 yrs)	Supply chain (3 years)
B2B SaaS (5 years)	Data warehouses (3 years)	E-commerce (1 year)
Software Developer (1 year)	Lead Software Engineer (2 years)	GenAI (1 year)
Senior Software Engineer (6 years)	Data Orchestration (3 years)	

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## Professional Experience

### Senior Software Engineer 2025 – Present ( 1 Year )

#### **BNSF Railway (Contract)**

- Developed a customer concierge application that enabled customers to track shipments using natural language (chat application), reducing querying time by 90%
- Designed and developed an API to support chat features, using Django Ninja, AWS Bedrock and Anthropic Claude
- Designed and developed a company-wide authentication and authorization service using Django Ninja and AWS Cognito, reducing new project setup costs by 20%

### Senior Software Engineer 2022 – 2025 ( 3 Years )

#### **Chick-fil-A Supply (Contract)**

- Developed an enterprise integrations platform to support supply chain automation, boosting operational efficiency by 25% and improving data accuracy by 10%
- Extended a Flask-based, custom workflow engine to support message queuing with Celery, handling 1 million messages per month and reducing cloud compute costs by 5%
- Implemented static typing in enterprise Python code base via Mypy, improving coverage from 0% to 99% and reducing production error count by 8%

**Senior Software Engineer****2021 – 2022 ( 1 Year )****Alion (Contract)**

- Designed and developed a serverless API with AWS API Gateway and Lambda for ingestion metadata, processing over 1 million data points every day with 99% uptime
- Designed and implemented a cloud-based microservice with AWS Batch and CloudFormation to reduce the cost of file conversion workloads by 20%
- Established technical best practices for serverless API development, reducing onboarding time for junior engineers by 30%

**Senior Software Engineer****2019 – 2021 ( 2 Years )****Orgstack**

- Engineered a Django-based SaaS platform for incident management, reducing data source discrepancies and improving response times by 20%
- Implemented a command-line interface to support data source monitoring, reducing user setup time by 50%
- Developed a REST API and integrations for managing data sources, supporting 10 different mainstream data stores

**Lead Software Engineer****2017 – 2019 ( 2 Years )****Arbo**

- Led a team of engineers building a cloud-based data ingestion platform on AWS, improving data accuracy by 10%
- Architected a CI/CD solution via Jenkins for a machine learning-based prediction engine, reducing deployment time by 95%
- Spearheaded development of a transactional alerting product with Python and Django, automating client operations and improving data accuracy by 15%

**Software Developer.****2016 - 2017 ( 1 Year )****Bytelion**

- Led the development of a Ruby-on-Rails-based staffing and investment resource management platform, streamlining resource allocation across 30+ startup companies
- Enhanced an enterprise e-commerce checkout solution with EmberJS, reducing shopping cart abandonment rate by 3%
- Developed a marine navigation algorithm in Ruby for a mobile application, reducing latency by 80% and improving user experience

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**EDUCATION****Bachelor of Computer Science**

TOWSON UNIVERSITY (2014 - 2016)