



# Gurdip Sira

DevOps Lead

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I am a dedicated and passionate DevOps Lead with a track record of driving seamless integration between development and operations. With over ten years of experience in the field, I specialize in implementing robust CI/CD pipelines, automating infrastructure, and fostering a collaborative DevOps culture within teams.

## Skills

### I already know

Azure	5/5	Amazon Web Services	5/5	Blazor	5/5	CSharp	5/5	Dot NET	5/5
Helm	5/5	Kubernetes	5/5	Octopus Deploy	5/5	Teamcity	5/5	Helm	4/5
PostgreSQL	2/5								

### I want to learn

Apollo GraphQL	Go	Astro
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### I speak

English	Punjabi
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## Work experience

### DevOps Lead

Virgin Money

яютого 2020 - Now

- Led a seamless migration of 50+ applications to AWS/Azure, resulting in a 30% reduction in infrastructure costs and improved scalability.
- Implemented efficient resource allocation strategies, leading to a 30% reduction in cloud infrastructure costs.
- Successfully designed and deployed highly available Kubernetes clusters in production environments, supporting over 100 microservices.
- Developed common Terraform modules, reducing code duplication and time to release and leading to an increase in developer productivity and code standardisation, reducing bugs

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and time to deployment.

- Worked as a DevOps Lead for the Dynamics 365 team, to improve their release management processes, automate TOIL and instil a DevOps culture of experimentation.
- Built a Research and Development function to look at innovation and improving our digital products. This includes using AI, Machine Learning and Data Engineering in Azure.

**Technologies:** Azure, Kubernetes, Helm, OpenAI, Terraform

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## Senior DevOps Engineer

квітня 2019 - травня 2019

Maritech

- Integrated Veracode into Azure DevOps CI/CD pipelines, thereby improving our security posture, compliance and ability to win new customers
- Integrated Kubernetes with best-in-class security tooling (e.g., Istio, Calico) to enforce network policies and secure inter-service communication, achieving compliance with industry standards.
- Championed an AppSec program with developers, to implement secure development practices, resulting in less CI failures.
- Created Terraform modules for an Akamai CDN/DDOS deployment, to protect against bot attacks. This improved productivity and reduced repetition.
- Deployed a comprehensive monitoring and alerting system using Prometheus and Grafana, reducing system downtime by 40% through proactive incident management.
- Implemented a robust CI/CD pipeline using Azure DevOps, which reduced the deployment frequency from monthly to daily, enhancing product delivery speed and reliability.

**Technologies:** CSharp, Kubernetes, Helm, SonarQube, Azure DevOps, Octopus Deploy, ProGet, Teamcity

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## Senior DevOps Engineer

вересня 2016 - жовтня 2016

Reed Technology

- Worked on a cost cutting campaign,

**Technologies:** Amazon Web Services, Azure DevOps

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## Projects

### Kinderworx

березня 2020 - Now

Kinderworx is a B2B SAAS app for managing your nursery.

**Demo:** <https://golden-bulls-d73jd7.netlify.app>

**Repository:** <https://github.com/mark-freeman/golden-bulls>

**Technologies:** CSharp, Azure, Amazon Web Services, PostgreSQL, Kubernetes, Helm, Octopus Deploy, Teamcity

# Education

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**Business and Management (Computing)**

вересня 2004 - липня 2007

Brunel University

Bachelors degree. Specialization in software development.