




# TRISTAN MCGOWAN

SENIOR TECHNOLOGIST | TECHNICAL EXECUTIVE  
DEVOPS & CYBER SECURITY | FULL STACK DEVELOPMENT

## CONTACT

 (309) 533-1107  
 tristan.mcgowan@icloud.com  
 ipspy.net

## SKILL SETS

### Full Stack Development

#### Proficient in:

PHP, Bash, MySQL, JavaScript, React, Angular, Vue.js, Node.js, Python, Django, Flask, SQL, NoSQL databases (MongoDB, Cassandra)

#### Expertise in:

Responsive web design, cross-browser compatibility, accessibility, performance optimization, and unit testing.

### DevOps Engineering

#### Experience with:

CI/CD pipelines (Jenkins, GitLab CI, CircleCI), containerization (Docker, Kubernetes), infrastructure as code (Terraform, Ansible), cloud orchestration, and monitoring tools.

#### Focus on:

Automation, reliability, scalability, and security best practices.

### Cybersecurity

#### Knowledge of:

Threat modeling, vulnerability assessment, penetration testing, incident response, encryption, authentication, authorization, and compliance frameworks (GDPR, HIPAA, PCI DSS)

#### Experience with:

Security tools (firewalls, intrusion detection systems, antivirus, SIEM), and security frameworks (NIST Cybersecurity Framework).

## PROFILE

Results-driven SecDevOps Senior Engineer with 15+ years of experience. Proven track record in designing, implementing, and maintaining robust security solutions. Expertise in programming, automation, and RESTful APIs. Passionate about delivering innovative solutions that enhance security and drive business success.

## WORK EXPERIENCE

### Full Stack Developer

(Linux, PHP, JavaScript MySQL, Postgres, REST API)

Genesis Network Solutions

Consultant

#### Key Achievements:

- Full Stack Development:** Successfully designed, developed, and maintained complex web applications using the LAMP stack (Linux, Apache, MySQL, PHP).
- REST API Development:** Created robust and scalable RESTful APIs to power web applications and integrate with other systems.
- Database Management:** Optimized database performance and scalability using MySQL and PostgreSQL.
- Cloud Deployment:** Deployed applications to cloud platforms (e.g., AWS, GCP, Azure) using infrastructure as code (IaC) tools.
- Agile Development:** Contributed to agile development teams, following best practices like Scrum and Kanban.

#### Responsibilities:

- Collaborate with product managers and designers to understand project requirements.
- Develop and maintain front-end and back-end components of web applications.
- Write clean, efficient, and well-documented code.
- Test and debug applications to ensure quality and performance.
- Optimize database queries and indexes for efficient data retrieval.
- Deploy and maintain applications on Linux servers.
- Stay updated on the latest web development technologies and frameworks.

### Chief of Cloud Product

Adaptive Data Networks

July 2022 - Jan 2024

#### Key Achievements:

- Revenue Growth:** Spearheaded the development and implementation of a comprehensive cloud product strategy that drove a 15% increase in revenue.
- Team Leadership:** Managed a team of 5+ product managers and developers, ensuring the timely delivery of high-quality cloud-based solutions.
- Customer Satisfaction:** Collaborated with key stakeholders to identify and address customer needs, resulting in a 10% increase in customer satisfaction.

#### Responsibilities:


- Oversee the development and management of cloud-based products and services.
- Lead a team of product managers and developers to deliver innovative solutions.
- Collaborate with stakeholders to understand and address customer needs.
- Drive revenue growth through effective product strategy and execution.


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## SKILL SETS

### Cloud Computing

#### Deep understanding of:

AWS services (EC2, S3, RDS, Lambda, ECS, EKS), cloud architecture patterns (serverless, microservices), and cloud migration strategies.

#### Expertise in:

Cost optimization, performance tuning, and disaster recovery planning.

### Linux & Systems Administration

#### 20+ years of experience:

System administration, server setup and maintenance, shell scripting, and automation.

#### Proficient in:

Red Hat Enterprise Linux, Ubuntu, Debian, and other popular Linux distributions.

### Application Architecture and Design

#### Expertise in:

Object-oriented programming, design patterns, microservices architecture, and event-driven architectures.

#### Focus on:

Scalability, maintainability, performance, and security.

## WORK EXPERIENCE

### Chief Cyber Security Officer

Procurement Partners

June 2019 - July 2022

#### Key Achievements:

- **Cybersecurity Strategy:** Developed and implemented comprehensive cybersecurity policies and procedures to protect company information and assets.
- **Compliance:** Ensured compliance with industry standards and regulations, such as GDPR, HIPAA, and PCI DSS.
- **Risk Mitigation:** Conducted security assessments to identify and address potential vulnerabilities, reducing the organization's risk exposure.
- **Incident Response:** Led effective incident response teams to quickly contain and mitigate security breaches.

#### Responsibilities:

- Oversee the development and implementation of cybersecurity strategies.
- Ensure compliance with relevant industry standards and regulations.
- Conduct regular security assessments to identify and address vulnerabilities.
- Develop and implement security awareness programs for employees.
- Lead incident response efforts to contain and mitigate security breaches.
- Manage cybersecurity budgets and resources.

### Senior Software Engineer

The Shade Store

July 2019 - March 2020 (Contract)

#### Key Achievements:

- **Software Development:** Designed and developed complex software systems, including scalable architectures and high-performance algorithms.
- **Team Leadership:** Mentored junior engineers and contributed to improving the software development process.
- **Payment Processing:** Developed a custom payment processing solution that allowed users to split large purchases over multiple credit cards, enhancing customer satisfaction and increasing sales revenue.
- **Integration:** Seamlessly integrated payment gateways (Stripe, PayPal, Braintree) with the existing legacy e-commerce system.

#### Responsibilities:

- Collaborated with cross-functional teams to deliver high-quality software products.
- Designed and implemented complex software architectures and systems.
- Mentored and developed junior engineers.
- Developed custom software solutions to address specific business needs.
- Integrated third-party tools and services.
- Ensured the quality and performance of software products.

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## SKILL SETS

### REST API Design and Scaling

#### Demonstrated experience:

Designing, developing, and scaling RESTful APIs for complex web applications.

#### Knowledge of:

API design principles (RESTful API design patterns, HATEOAS, versioning), API gateways, and API security best practices.

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## REFERENCES

### Rick Zeschke (Client)

📞 (309) 531-9656

✉️ rick@waypointlogistics.com

### Brandon Harbison (Boss/Co-Worker)

📞 (309) 244-4272

✉️ brandonh@gnsit.net

## WORK EXPERIENCE

### Senior Full Stack Developer

The Cheat Sheet

Oct 2017 - June 2018 (Contract)

#### Key Achievements:

- **Custom Tool Development:** Designed, engineered, and built a custom ad hoc ad tech reporting tool, providing real-time profit and loss reporting.
- **Technical Expertise:** Demonstrated exceptional technical skills in both front-end and back-end development.
- **Collaboration:** Worked closely with cross-functional teams to ensure the tool met organizational needs.
- **Process Improvement:** Adhered to best practices and industry standards, driving improvements in reporting accuracy and efficiency.
- **Business Impact:** Contributed to increased profitability and business success through improved reporting.

#### Responsibilities:

- Designed and developed custom software solutions.
- Utilized a range of programming languages and technologies.
- Collaborated with cross-functional teams.
- Adhered to best practices and industry standards.
- Delivered high-quality results to meet organizational needs.

### Lead Web Developer / Project Manager

One Hat Design Studio

July 2015 - Aug 2017

*As a Lead Web Developer / Project Manager at One Hat Design Studio, LLC, I was responsible for leading and managing the development of custom web applications for clients. I demonstrated exceptional technical expertise in designing, engineering, and developing a range of web applications, while also providing leadership and mentorship to the development team.*

### Web Systems Engineer / Linux System Administrator

Genesis Adaptive

April 2010 - July 2017

*As a Web Systems Engineer / Linux System Administrator at Genesis Adaptive, I played a key role in designing, engineering, and developing a range of client websites and web applications. With a focus on promoting and managing businesses with established online presences, I collaborated closely with clients to ensure their unique needs and requirements were met. Throughout my tenure, I utilized a wide range of technical skills to ensure the reliability, security, and performance of web hosting services for clients, ultimately leading to increased satisfaction and business success.*