

Chad Clark

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OBJECTIVE

Work with a high-performance team delivering robust systems and exceptional customer experiences.

OVERVIEW

- Deep expertise spanning software development, enterprise integration, and operational systems.
- Champion of automation and quality-focused development for sustainable system reliability.
- Skilled at building bridges between teams and translating complex technical concepts across domains.
- Create lasting value through quality-driven development, autonomous teams, and collaborative success.

PROFESSIONAL EXPERIENCE

Software Architect 2022 – Present
Chata.ai

- Enabled sales to customers who would only buy when our SaaS product could run on-prem.
- Achieved a critical customer ship date by increasing product build and test throughput 6x through automation.
- Reduced cloud compute spend 50% by identifying overly high resource requests.

Shaw Communications
Solution Architect 2017 – 2022

- Successfully bridged team collaboration by fostering mutual respect and empowering teams to own their implementation decisions. Built lasting trust through strategic design compromises, which naturally led teams to embrace automation after experiencing initial successes with intermediate solutions. Demonstrated servant leadership through an ego-free approach to technical decisions.
- Designed automation architecture and led delivery of the new network technology Remote PHY.

Systems Architect 2013 – 2017

- Delivered reselling Comcast internet and TV by taking on technical project management of the 4-company integration around provisioning and diagnostics.
- Provided technical direction and project leadership on other integration projects such as migrating home phones to new servers, and making diagnostics information available to the call center.

Software Architect 2009 – 2013

- Reduced outage recovery time by creating a diagnostics module used by our web applications.
- Implemented authentication and authorization for online streaming.
- TLS certificate administrator.

System Administration and Development 2006 – 2009
Bernoulli Networks

- Reduced downtime by building automated internet service failover for customer sites.

Research Programmer 2005 – 2006
Codefast

- Increased velocity of on-site sales engineers by writing automation tools with Perl.
- Development in C to optimize software build jobs by calculating build dependencies.

Senior Programmer
iStockphoto / Evolvs Media

2001 – 2005

- Enabled upgrades without downtime by writing a layer 3 load balancer.
- Full-stack development of server automation to enable online customer self-serve web and email hosting.

SKILLS

Technical

- Experience with both software development and operational activities.
- Comfortable in Go, Linux, C, Postgres, Perl, Python, Git, TLS, Apache, Docker, Kubernetes, GCP.
- Authentication Authorization Accounting, JWT, HMAC, Single Sign On, OAuth.
- Operational Support Systems: inventory, provisioning, assurance, monitoring, alarming.

Delivery

- Agile, Continuous Integration, Infrastructure as Code.
- Automation of build, testing, deployment, monitoring.

Leadership

- Translates complex technical concepts effectively across different organizational roles and domains.
- Builds consensus through active listening and collaborative problem-solving.
- Drives strategic thinking by focusing on business value and organizational goals.

EDUCATION

Bachelor of Science
Computer Science, Concentration in Embedded Systems
University of Calgary

2003

Certifications

- *TOGAF 9 Certified*, The Open Group Architecture Framework, Certification #120321 2017
- *BMC Accredited Administrator: BMC Atrium Discovery and Dependency Mapping* 2014
- *IPv6 Sage Certified*, Hurricane Electric 2013

EXTRACURRICULAR

- Project TON core team member. TON collects and shares IP addresses behaving maliciously.
<https://projectton.com/>
 - Refactored code to reduce CPU load by 90%.
 - Introduced an API to collect records.
- Made a compiler to translate Apple-1 6502 machine code into C code.
- Wrote a unix shell with pipes, history, and job control.
- Built a Tetris game engine to use for neural network training.
- Labrador USB electronics oscilloscope and signal generator.
<https://github.com/Espotek/Labrador>
 - Updated code to restore Android build.
 - Updated to automatically flash firmware on devices stuck at the boot-loader.
- Code and circuit using a Raspberry Pi to read electricity usage from a power meter.
<https://github.com/superfrink/power-meter>
- Interest in electronics, microcontrollers, radio.