

# Stephen O'Dor

## Contact

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## Skills

- **Systems:** Distributed system dev/ops. Network and kernel tuning. Containerization.
- **Services:** Apache Kafka, ClickHouse, ZooKeeper, PostgreSQL, Squid.
- **AWS:** EC2, S3, IAM, Aurora, DynamoDB.
- **Coding:** Python, Rust, TypeScript, Java, C/C++, Ruby, Perl, PL/(pg)SQL, and Shell.
- **Networking:** Anti-DDoS, IP routing (BGP), DNS, firewalling, AuthN/Z (Radius/TACACS).
- **Patent:** US11968226B1.

## Employment Experience

- **Amazon, Seattle, Washington, Systems Development Engineer.** Anti-DDoS and Network teams. Designed and operated 250M+ rec/sec streaming telemetry platform for global network. From Fall 2016.
- **Facebook, Menlo Park, California, Production Engineer.** Realtime infrastructure for Messenger's 800 million monthly active users. Hybrid software and systems engineer. Fall 2014 to Spring 2016.
- **Astute Hosting, Vancouver, B.C., Partner.** Integrated hosting systems for Anycast DNS, Content Delivery, NFS Storage, Monitoring and network automation. Fall 2010 to Fall 2014.
- **Peer 1 Hosting, Vancouver, B.C., Development Manager.** Led four member team in development of customer facing portal and a multi-vendor network authentication system. Fall 2008 to Fall 2010.
- **Peer 1 Network Inc., Vancouver, B.C., Systems Engineer.** Architect of a 15 city, 2 continent Content Delivery Network and related DNS and monitoring products. Spring 2003 to Fall 2008.
- **University of British Columbia, Vancouver, B.C., Teaching Assistant.** Assisting in-class discussion as well as marking essays and reports. Spring 2002.
- **Look Communications Inc., Vancouver, B.C., Systems Architect.** Design and maintain the dialup auth, mail, domain name, and web systems for a 200k customer ISP. Spring to Fall 2000.
- **Digital Environments Incorporated, Vancouver, B.C., Consultant.** Performed on and off site consulting for clients ranging from training to database design. Summer 1999 to Spring 2000.
- **Canada Internet Direct, Vancouver B.C., Software Engineer.** Programmer on customer service and accounting system; Oracle with web and Win32 frontend reporting tools. Fall 1995 to Summer 1999.
- **De Facto Networking Services, Vancouver B.C., Consultant.** Partner in a network/computer consulting company targeting LAN installation and intranet development. Fall 1995 to Summer 1997.
- **Atlantic LRMI, Halifax N.S., Intern.** Developed an in-house application for time/project management. Used MS Visual Basic to link MS Project with an Oracle database. Summer 1995.
- **Dalhousie University, Halifax N.S., Intern.** Produced 3D animations of aquatic animal movements from field tracking data. Summer 1994.
- **VEMCO Ultrasonics, Shad Bay N.S., Developer.** Developed a program and algorithm for resolving 3D position from ultrasonic telemetry data. Summer 1993.

## Education

- **2000 - 2002:** University of British Columbia (B.Sc., Major Computer Science)
- **1996 - 1997:** Langara College (Part time study in Arts and Science)
- **1993 - 1995:** University of British Columbia (Two years of Engineering)
- **1993:** Halifax Grammar School (High School Matriculation)