Nathan Schepers

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PROFILE

- I'm a technically focused leader and polyglot fullstack developer with ~20 years experience. I enjoy travelling and working across multiple organisation types and sizes.
- I have a strong commitment to collaboration, transparency, openness, and empathy.
- I have international experience and exposure gained in Canada, USA, India, Italy, Spain, and other European countries.
- From 2015 through 2018 I was the primary caregiver for, and eventually provided end-of-life care to my wife, who had breast cancer. Due to this, some of my roles in those years were part time.

SKILLS

- Career highlights
  - Planned and managed an $8M deployment/integration project at a Canadian telecommunications company
  - Provided technical product and team leadership on a €500K Google grant project
  - Provided technical product and team leadership on a global-scale travel infrastructure project (seamless travel and health document verification)
  - Provided technical leadership to teams of quality assurance analysts, deployment engineers, and software developers
  - Provided team and technical leadership to distributed teams with members around the world
  - Consulted with small businesses/startups on operational and technical problems, provided training and mentoring to junior developers
  - Built a development, product, and design team on a greenfield project in the public transit/tourism sector.

- ~20 years in software engineering and systems administration
  - Python
  - JavaScript
  - Go/Java/C/C++
  - REST API design and implementation
  - SQL, Cypher
  - Data modelling
  - PostgreSQL, MySQL, Oracle, other RDBMSs
  - Redis, Neo4j, other NoSQL databases
  - CI/CD (git, Jenkins, Travis-ci)
  - Virtualization/Containerization (Virtualbox, VMWare, Vagrant, Docker, Docker Swarm)
  - Cloud computing (Amazon AWS, MS Azure)
  - DevOps and automation (Ansible, Terraform, GitHub Actions)
  - Linux/BSD systems administration
  - Network administration

Principal Engineer
Amadeus Global Sl.
Remote (EMEA)
June 2022 - present

- Engineering leadership on a global-scale health and identity infrastructure project
- Coordination with stakeholders on overall goals, challenges, and opportunities
- Research and reporting on best practices in migration of backend systems to MS Azure
- Research projects on natural language processing tools and machine learning algorithms.
- Preparation and delivery of talks and training materials
- Mentoring and advising on software engineering best practices

Consultant
Accenture (for Amadeus Global Sl.)
Remote (EMEA)
January-March 2022

- Engineering leadership on a global-scale health infrastructure project
- Coordination and communicaiton with multiple stakeholders in an environment with changing requirements

Mobile Development Lead (Open Source)
couchers.org
Remote
September 2021 - Jan 2022

- Coordination and mentoring of volunteer developers
- Initial setup of mobile development repository (React Native/Expo/GitLab CI)
- Coordination with project maintainers on overall goals and organizational challenges

Senior Dev/Team Lead
Contractor (for Neos Networks)
Remote (EMEA)
February-October 2021

- Team leadership/client liason activities
- Mentoring and training of junior developers
- Sprint planning and organization
- Software development (Python, Postgres, Serverless, AWS Lambda)

Project Lead
daytrip.travel
Canary Islands, Spain
February 2020 - Dec 2023

- Domain research
- Full stack development (Python, React.js, React Native, Neo4j)
- DevOps and automation (AWS EC2, S3 with Terraform, Packer)
- Team and project leadership
- Business development and evangelism

Consulting Engineer
Tyk Technologies
Remote (EMEA)
February-August 2019

- Technical leadership and client consulting
- Participation in every aspect of the product lifecycle
- Development of authentication plugins (Python)
- Writing of technical blog entries

Software Developer
Ricompro
Milano, Italy
April-June 2018

- Development of an integration between an E-Commerce front end and ERP back end
- Design and development of a REST API
- Analysis of overall system security

Technical Product Manager

CRJI

Bucharest, Romania
March 2017 - March 2018

- Organization of regular meetings with the development team and project stakeholders
- Leadership of the development team
- Review and triage of issues in GitHub
- Production of quarterly reports for stakeholders
- Production of high-level technical documentation

Freelance Consultant

Self Employed

Remote
2015-2022

- Design and implementation of a document management system for an international welding engineering company
- Design and implementation of a Django-based order management system for high-capacity lifting devices
- Creation of an ansible-based automated system for deployment of new web app projects, including setting up OpenVPN, generating keyfiles &c.

Academic Director

Nicomekl Coding

London,UK
January-June 2015

- Design and delivery of targeted courses in Python, SQL

Software Design Engineer, Quality

Avvasi Inc.

Waterloo, ON
2012-2013

- Automated and manual testing of video compression appliances for telecommunications

Software Developer

MPower Labs Inc.

Austin, TX
2010-2012

- Development of mobile payment infrastructure (SMS interactions)

QA Team Lead

MPower Labs Inc.

Austin, TX
2010-2012

- QA team leadership, API test harness design/development for a mobile payment company

Software Design Engineer

MKS Inc.

Waterloo, ON
2007-2009

- On-site deployment leadership at Research In Motion on an $8M+ contract for defect management and associated integrations, performance test harness development.

Operations Lead

Exchange Solutions Inc.

Toronto, ON
2001-2003

- Oversight of day-to-day operations for a 10M+ subscriber marketing database, design and implementation of internal security measures

Software Integration Engineer

Solect, a division of Amdocs Inc.

Toronto, ON
1999-2001

- Design and implementation of a performance test harness for Solect's IAF Horizon IP billing framework

EDUCATION

Bachelor of Science
University of Western Ontario, Canada
2003-2007

Computer Science

CELTA
ILSC-Montreal, Canada
2014

Certificate in English Language Teaching to Adults