

Jeremy Monin

957 Sweeney St
North Tonawanda, NY 14120
jxmonin@gmail.com

Summary

Jeremy Monin has 20 years of IT and software development experience, including architecture and team leadership, across the OS, database, application, and cloud layers. He combines big-picture insight with scripting and programming skills to improve and automate processes. He is a fast learner enthusiastic about large systems and their integrations, quickly productive when joining new teams and environments.

Work Experience

Web Operations Engineer

Synacor Inc – Buffalo, NY

2016 - Present

Operationalizes new apps and microservices for consistent, reliable production. Maintains and configures software load balancing, SSL termination, and caching layers for web-facing apps in production datacenters and cloud. Uses knowledge of the company's architecture, environments, and products to resolve production incidents and help developers be more productive. Consults with other teams to spread knowledge and encourage self-service. Creates and improves scripts and tools to speed the team's work and simplify deployments. Helps plan and execute datacenter migrations of live applications. Helped plan and lead Kubernetes operationalization pilot.

Application Software Developer Principal Consultant

NTT Data Inc – Plano, TX

2015 - 2016

Consultant for SAP Basis platform admin and related OS/DB activities on site at client T-Mobile for a large-scale datacenter migration project. Installed, migrated, validated and data-refreshed all major SAP applications across client landscapes. Designed and developed a timesaving web-based asset tracking and build-request system using Django. Used scripting to automate tasks like software installation and firewall port testing. Resolved Linux problems for various clients.

SAP Basis Analyst

Rich Products Corporation – Buffalo, NY

2006 - 2015

Team lead responsible for SAP strategy, project planning and execution, information lifecycle, and app technologies. Established best practices. Provided time-saving process improvements across multiple teams and technologies: SAP prod to QA system refresh, Unix disaster recovery build scripts, Service Desk report extracts, etc. Eager to learn and to mentor, increasing in-house expertise and avoiding contractor costs. Planned and executed technical upgrades of SAP's ERP, BW, and SCM applications, including Unicode conversions and migration from HP-UX to RHEL Linux of multi-terabyte production databases, and yearly Enhancement Pack updates. Implemented SAP single sign-on with Kerberos and Active Directory, including project management of enterprise rollout. Designed and developed integrations in Tibco BusinessWorks with local and offshore teams. Reduced DB sizes and improved performance through archiving/ILM and Data Volume Management analysis.

Additional Experience:

Network Administrator (Linux, HP-UX, Windows)

Rich Products Corporation – Buffalo, NY

2002 - 2006

Web Developer/Architect and System Administrator

Internet Consulting Services, Inc – Syracuse, NY

1999 - 2002

Research Programmer and System Administrator

Scalable Concurrent Programming Laboratory

1997 - 2001

Syracuse University – Syracuse, NY

Key Skills

Contributes and implements creative ideas which improve workflow and efficiency. Project-focused, punctual, with good work ethic and professional demeanor. Quickly understands new environments and codebases. Makes good decisions under pressure. Happy to mentor, document, and teach. Communicates well in writing, including clear and detailed documentation. Open-source coder and contributor.

Education

Syracuse University

Syracuse, NY

Obtained two degrees, overall GPA 3.30:

BS in Computer Science

BS in Information Management and Technology.

Technical Certifications

SAP Certified Technology Associate - SAP HANA (Edition 2015)

SAP Technology Associate - OS/DB Migration for SAP Netweaver 7.30

SAP Technology Associate - System Administration (Oracle DB) with SAP Netweaver 7.0

Areas of Expertise

Software

Sysadmin OSes: RedHat Linux through RHEL 7; VMWare ESX; HP-UX 10.20 to 11.23; AIX 6.1 to 7.1; Mac OS

Developer: Eclipse; Android Studio; git; gradle; curl; Docker; Kubernetes

SAP Basis: SAP ERP, BW, SCM, APO, PLM, SPM, Solution Manager (Netweaver 6.20 to 7.4 ABAP & Java);

Upgrades and Migrations; Disaster Recovery; Archiving/ILM; Security; Oracle 10g, 11g

Common: Jira; MS Office including Project, Visio and Sharepoint; Photoshop; Slack

Development

Over 20 years of programming experience. Focus on writing secure maintainable code.

Languages: Java, Android, Python, Perl, bash, csh, SQL, C/C++

Collaboration: github; mentoring and training

Web: Django, javascript, Postgres, MariaDB, ajax and SOAP, Java Servlets

Misc: varnish VCL, SAP ABAP and security authorizations, Scheme, Tcl/Tk

Internet

Software: nginx and Apache configuration/SSL, varnish, Postgres, MariaDB, BIND DNS, Postfix, Sendmail, NFS, RedHat Linux server setup, puppet, AWS, Oracle Cloud (OCI)

Security: Firewalls, VPN, routing, mail, web, and SSH server configuration; Patching strategy; Disaster Recovery strategy for data and VM replication; DNS for high availability

Monitoring: Icinga2 Director

Other Projects

Lead developer of **JSettlers2**, a networked Java Settlers of Catan implementation with reasonable AI. Code online at <https://github.com/jdmonin/JSettlers2>. Mentor to several contributing students.

Developer of **Shadowlands Roadtrip**, a small Android vehicle-logbook app for my own use. Code online at <https://github.com/jdmonin/SLRoadtrip>

Contributed patches to **OpenSSH**, **Samba**, and many minor projects such as **Kong**, an API gateway;

OSMTracker, an Android GPS recorder; and **Anstop**, an Android stopwatch

Long-time **OpenStreetMap** contributor of map edits and GPS tracks

Led a student team to create **JPlot/NetCalc**, a parallel distributed-computing fractal exploration program in Java, which won that year's Berman programming competition at Syracuse University.

Wrote **Shadowlands Forum**, a multi-user open-source collaboration tool in C++, and the **CS Graphics Library**, used by over a thousand students over three years, teaching cross-platform GUI programming concepts in C on Windows and Solaris.