Nate Stott

SOFTWARE ENGINEER · COMPUTER SCIENTIST

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Skills

Code
Java/Kotlin (SpringBoot, Jakarta, Lombok, MapStruct, Thymeleaf, Hibernate, Jetpack Compose, Android, Gradle, Maven, JUnit); JavaScript/TypeScript (React, React Native, Vue, Next, Node, Bun, Express, Redux, Prisma, Jest, Storybook, Prettier, Electron, Webpack, ESBuild, Vite, ESLint); Python (Django, Flask, SQLAlchemy, Tkinter, NumPy, Pandas, SciPy, Matplotlib, PyTorch, Openpyxl, Xlwings, Black, Poetry); C/C++ (Make/Autotools, GCC/Clang toolchains, GDB, GTest, CMake, Qt, RAII); Rust (Tokio, SQLx); C# (.NET, ASP.NET, Entity Framework, Dapper); Go (Gin, GORM, sqlx); Bash/Zsh; Fish; PowerShell; HTML; CSS; x86 Asm (NASM); Lua; Haskell; Nix; Dart (Flutter).

Tools
Git; GitHub (Secrets, Actions/Act, Copilot, Gh); Vim; Neovim; JetBrains; Visual Studio; VS Code; JAWS; Selenium; Cypress; Playwright; Postman (newman); Vitest; LaTeX (Overleaf, Pandoc); Markdown (Obsidian); UML (draw.io, Lucidchart); Jira; Figma.

Data
MySQL; MariaDB; PostgreSQL; SQLite; Azure SQL; MongoDB; Redis; Elasticsearch; JSON; YAML; TOML; XML; CSV.

Hosting
AWS (EC2, S3, Lambda, IAM, VPC, RDS/Aurora, DynamoDB, ElastiCache, API Gateway, SNS, SQS, EventBridge, Route 53, ECS, EKS, Step Functions, Elastic Beanstalk); Google Cloud (Compute Engine, Cloud Functions); Azure (App Service, Functions, AKS, DevOps, Storage); DigitalOcean (Droplets, Domains); Heroku (Dynos); Vercel (Serverless Functions); Docker (Hub, Compose, Swarm, Networking, Volumes); Podman; Kubernetes; Multipass; Nginx; Apache (HTTP, Kafka); IIS; Jenkins; SSH (OpenSSH); QEMU/KVM; VMware; VirtualBox; Cloudflare; Datadog; LogRocket; Sentry; Railway; Linux (Debian, RHEL, Arch, NixOS, systemd services & timers); FreeBSD (Ports); MacOS (Homebrew); Windows (Chocolatey, Scoop, Winget, Windows Services, Task Scheduler, PowerShell).

Services
Appian; Azure Active Directory; Box (API); Contentstack; GitHub (API); GitLab (API); Hugging Face; Klarna; OAuth 2.0; Okta; OpenAI; OpenAPI; OpenID Connect; PayPal; REST (JSON, HTTP verbs); SAML; Shopify; SOAP; OCPP (1.6, 2.0.1); Stripe; Swagger (OpenAPI UI); Twilio; WebSockets (Socket.IO, WS); WordPress.

Projects

Powerplay
Logan, Utah

Backend Engineer
June 2024 – August 2024

- Designed and optimized a robust scheduling algorithm that ensures fair and efficient match generation for teams.
- Contributed to an open source sports management system using Go and Vue, enhancing back-end performance and maintainability.
- Integrated RESTful API endpoints and implemented data validation middleware, improving data integrity across services.

Experience

Graduate Research And Teaching Assistant
Logan, Utah

Utah State University
August 2025 – Present

- Assist in delivering lectures and labs for undergraduate courses in computer science.
- Provide technical support to students, guiding them through assignments and projects.
- Collaborate with faculty on research projects and contribute to curriculum development.

Software Engineer
Erie, Pennsylvania

Provider Resources Inc
April 2025 – Present

- Architect and lead development of internal applications, streamlining workflows and reducing cross-team manual processes.
- Maintain and enhance CI/CD pipelines using GitHub Actions, improving delivery velocity and deployment reliability.
- Led the migration of legacy scripts to a modern Node.js-based service, reducing execution time and simplifying maintenance.

Junior Software Engineer
Erie, Pennsylvania

Provider Resources Inc
October 2024 – March 2025

- Refactored and replaced legacy systems, improving software maintainability and performance across multiple teams.
- Introduced modern tooling and agile practices, resulting in a more efficient and collaborative development environment.
- Participated in cross-functional code reviews and knowledge sharing, fostering a culture of continuous improvement.

Certifications

Cloud Practitioner Foundations
Remote

Amazon Web Services
September 2023

- Built foundational knowledge in core AWS services including EC2, S3, Lambda, and CloudFormation.
- Gained hands-on experience using the AWS CLI and SDKs to automate deployments and streamline operations.
- Demonstrated understanding of AWS security best practices, including IAM roles, policies, and the shared responsibility model.

Education

M.S. in Computer Science
Logan, Utah

Utah State University
August 2025 – Present

- Focus on advanced topics in machine learning, distributed systems, and cloud computing.
- Actively involved in research projects related to AI and data engineering.
- Engaged in industry partnerships and internships to apply theoretical knowledge in real-world environments.

For more details, visit my LinkedIn.