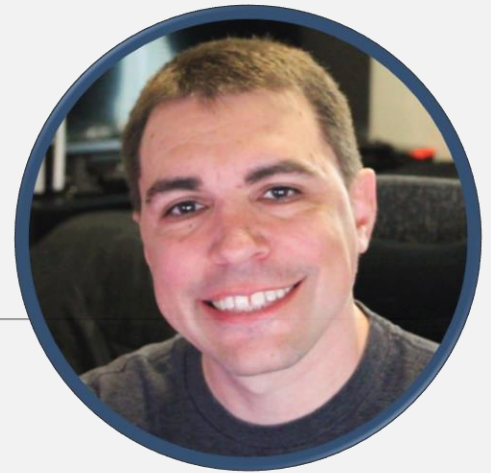


NICHOLAS THOMPSON

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EDUCATION

B.S. in Computer Science

University of Central Florida
May 2024 – Present

A.A. in Information Technology and Cyber Security

Indian River State College
Jan 2017 – May 2019

SUMMARY OF RELEVANT EXPERIENCE

- **Total Front-End Development Experience: 14+ years**
 - **React.js / Next.js: 5 years** (Serverli Inc., Millenix – May 2020 to July 2024, freelance ongoing in 2024)
Developed user-friendly interfaces using React and Next.js for various web applications, focusing on creating seamless UX/UI.
 - **Angular / Ionic: 2 years** (Millenix – Jul 2014 to Apr 2021)
Architected and developed progressive web applications (PWAs) and mobile applications, ensuring high-performance and user-centric designs.
 - **Additional Web Development: 4 years** (PSL-PC ONLINE, freelance – Sep 2009 to Jun 2014)
Built and maintained websites using WordPress, PHP, and Bootstrap for various clients, creating custom solutions.
- **Total Back-End Development: 6 years**
 - **Node.js / Nest.js: 4+ years** (Serverli Inc., Millenix, NexxtGen – Jul 2014 to Present)
Developed secure and scalable back-end services using Node.js and Nest.js. Integrated APIs to facilitate data communication for web and mobile apps.
 - **Salesforce Development: 3 years** (NexxtGen – Dec 2019 to Dec 2023)
Designed and implemented custom Salesforce workflows and automation solutions, integrating external platforms like Jira and QuickBooks to streamline business operations.
- **Total DevSecOps & Cloud Engineering: 4+ years**
 - **Containerization & Orchestration:** (Docker & Kubernetes – Serverli Inc., Millenix, freelance ongoing in 2024)
Managed and deployed containerized services using Docker and Kubernetes on platforms like GCP and AWS, ensuring scalability and reliability.
 - **CI/CD Pipelines:** (GitHub Actions & Jenkins – Serverli Inc., Millenix, freelance ongoing in 2024)
Designed and managed CI/CD pipelines to automate deployments using GitHub Actions, Jenkins, and Terraform, ensuring smooth and secure releases.
 - **Cloud Platforms:** (AWS, GCP, Azure – Serverli Inc., Millenix, freelance ongoing in 2024)
Provisioned and maintained cloud resources, utilizing AWS, GCP, and Azure for high availability, security, and performance.
 - **Infrastructure as Code (IaC):** (Terraform – Serverli Inc., Millenix, freelance ongoing in 2024)
Automated infrastructure provisioning and scaling using Terraform, ensuring consistent and reliable environments across all stages of development.
- **Security & DevSecOps Practices:** Integrated security tools within CI/CD pipelines, enabling secure deployments, vulnerability testing, and ensuring compliance with DevSecOps standards.
- **JavaScript:** Extensive experience in both front-end and back-end development.
- **NPM and NodeJS:** Proficient in building and maintaining APIs.
- **RESTful APIs:** Experience integrating and managing APIs for data retrieval and persistence.
- **Relational and Non-Relational Databases:** Proficient with MySQL, PostgreSQL, Redis, and MongoDB.
- **Communication and Collaboration:** Strong track record working with stakeholders, cross-functional teams, and remote teams.
- **Project Management Tools:** Proficient in JIRA, Confluence, Outlook, GitHub, and Monday.com

PROJECTS (see website for more)

Tale Compendium Cloud – AI Dungeons & Dragons Character Generator (July 2024 – Present)

GitHub: [Tale-Compendium-Cloud](#)

Developed a full-stack application for generating D&D characters and assisting Dungeon Masters in world-building. This project demonstrated strong expertise in modern web development frameworks and cloud infrastructure.

- **Backend (Nest.js):** Developed a scalable, RESTful API using Nest.js, implementing data validation, authorization, and authentication mechanisms.
- **Frontend (Next.js):** Built a robust and user-friendly interface using Next.js for dynamic data rendering, server-side rendering, and interactive components.
- **Containerization and Orchestration (Kubernetes & Docker):** Deployed the application in a containerized environment on Google Kubernetes Engine (GKE), using Docker for container management and Kubernetes for scaling services.
- **CI/CD Pipeline:** Designed a fully automated CI/CD pipeline using GitHub Actions, integrating with Terraform for infrastructure provisioning and deployment to GCP.
- **Cloud Infrastructure (Google Cloud Platform):** Managed GCP resources, including GKE clusters and PostgreSQL instances, to ensure high availability and fault tolerance.
- **Authentication and Authorization (Clerk, JWT):** Integrated Clerk for secure user management and JWT for token-based authentication across the platform.
- **Payment Integration (Stripe):** Implemented Stripe for handling user transactions, enabling a token-based purchase system for premium features.
- **Infrastructure as Code (Terraform):** Utilized Terraform for automated infrastructure provisioning, enabling consistent and repeatable deployments.

Technologies: [Nest.js](#), [Next.js](#), [Clerk](#), [JWT](#), [Stripe](#), [GitHub](#), [Terraform](#), [Kubernetes](#), [Docker](#), [GCP](#), [PostgreSQL](#).

WORK EXPERIENCE

Serverli Inc.

Remote, Florida | May 2020 – July 2024

• Full Stack Application Developer

- **Front End Development:** Designed and developed intuitive and user-friendly interfaces using Next.js, focusing on creating seamless user experiences (UX) and engaging user interfaces (UI) that enhance overall usability and accessibility.
- **Back End Development:** Worked extensively with Nest.js and TypeORM to establish a robust and scalable API. Ensured seamless data flow and integration between the front end and back-end systems by implementing best practices for performance and security. Leveraged Terraform for infrastructure as code (IaC) and utilized GitHub Actions and Jenkins to automate CI/CD pipelines, deploying applications to an Azure Kubernetes Service (AKS) cluster.
- **CI/CD Process:** Implemented a robust CI/CD pipeline using GitHub Actions and Jenkins, integrating Cypress for end-to-end testing to ensure the reliability of code before deployment. Managed the entire CI/CD process, including automated testing, code quality checks, and deployments. Used Pull Requests (PRs) to enforce code reviews and maintain code quality, ensuring a smooth and reliable development workflow.
- **QA Management:** Established a comprehensive test strategy, designed and implemented test pipelines, and developed detailed test cases using Cypress to ensure high-quality software delivery. Managed the entire QA process, including defect tracking and resolution.
- **Documentation and Training:** Defined the Software Requirements Specification (SRS) and established feature design guidelines. Created and maintained detailed documentation, and trained team members on application development, CI/CD processes, and best practices.
- **Cross-Functional Collaboration:** Collaborated with various teams in a dynamic startup environment, contributing to project planning, feature design, and product development. Provided technical direction and mentorship to team members, fostering a collaborative and innovative work culture.

NexxtGen

Remote | Dec 2019 – Dec 2023

• IT Admin / Salesforce Developer / Business Analyst

- **IT Operations Management:** Oversaw the company's IT operations, ensuring the reliability and efficiency of all IT systems and infrastructure. Implemented best practices for system maintenance, security, and performance, and integrated various software systems including QuickBooks, Salesforce, Jira, TSheets, Enterprise Fleet Tracking, and partner product pages to streamline operations and enhance cross-platform functionality.
- **Salesforce Development & Integration:** Led the development, customization, and integration of Salesforce solutions with other software platforms to meet complex business needs. Designed and implemented Salesforce workflows, custom objects, and automation processes, ensuring seamless integration with tools like Jira and QuickBooks, enhancing business operations and data consistency.
- **Team Leadership:** Managed a remote team based in the Philippines, providing guidance, training, and support to ensure successful project delivery. Coordinated tasks, set priorities, and monitored progress to achieve team goals, ensuring that integrations between Salesforce and other systems were effectively managed.
- **Product Design & Implementation:** Directed the design and implementation of new products and features within Salesforce and other integrated systems, from initial concept to deployment. Collaborated closely with stakeholders to gather requirements, design solutions, and ensure alignment with business objectives, focusing on integrating partnership products into the broader system architecture.
- **Process Improvement:** Identified opportunities to streamline processes and improve efficiency within the IT department and across integrated platforms. Implemented changes that enhanced productivity, user experience, and interoperability between Salesforce, Jira, QuickBooks, and other software solutions.
- **Technical Support & Integration Troubleshooting:** Provided technical support to internal users, resolving IT issues promptly and effectively. Played a key role in troubleshooting and resolving interoperability issues between integrated systems, ensuring minimal disruption to business operations through proactive system monitoring and maintenance.

Millenix

Irving, TX | Jul 2014 – Apr 2021

• Software Engineer / Junior Software Architect

- **Cloud Systems Management:** Managed and analyzed cloud systems on AWS, ensuring optimal performance and reliability.
- **Front-End Architecture:** Served as an Angular architect for various customer-facing progressive web applications (PWAs), and as an Ionic architect for PWAs and mobile applications, focusing on delivering intuitive and high-performing user experiences.
- **Back-End Architecture:** Acted as a Node.js architect for data exchange APIs and services tiers and designed robust Java Spring Boot services to support enterprise applications.
- **Web Development and Support:** Developed, hosted, and supported websites on various platforms including PHP, Bootstrap, and WordPress for a diverse client base.
- **Technical Support and Networking:** Provided computer repair services, hardware/software troubleshooting, and installed, configured, and maintained home and small business networks.

PSL-PC ONLINE

Port Saint Lucie, FL | Sep 2009 – Jun 2014

• System Administrator

- Designed, built, and sold custom computer systems.
- Co-authored a PHP Bootstrap framework for building marketing websites.

Summary of Skills

- **Web Development:** Next.js, React.js, Angular, Ionic, Three.js, TailwindCSS, Component Libraries.
- **JavaScript Frameworks:** 14+ years total; 5 years with React.js / Next.js, 2 years with Angular/Ionic.
- **Back-End Development:** 6 years with Node.js, Nest.js, TypeORM, Salesforce (Apex, Visualforce, Lightning), Convex.
- **Cloud Services:** AWS, GCP, Azure, Vercel, GKE (Google Kubernetes Engine).
- **Containerization & Orchestration:** Docker, Kubernetes.
- **CI/CD Tools:** GitHub Actions, Jenkins, Terraform, Helm.
- **Infrastructure as Code (IaC):** Terraform, Kubernetes, AWS CloudFormation.
- **Project Management Tools:** JIRA, Confluence, Outlook, Monday.com, Trello.
- **Version Control:** Git, GitHub, Bitbucket.
- **Relational Databases:** MySQL, PostgreSQL.
- **Non-Relational Databases:** MongoDB, Redis.
- **Authentication & SSO:** next-auth, Clerk, JWT, auth.js.
- **Payment Tools:** Stripe Integration.
- **API Integration:** RESTful APIs, GraphQL.
- **Security & DevSecOps Practices:** Experience with secure code reviews, automated security testing in CI/CD pipelines, vulnerability management, and compliance.
- **Communication & Collaboration:** Proven track record of working with cross-functional teams and remote collaboration.
- **Technical Support:** Extensive experience in technical support, troubleshooting, and resolving complex system issues.