HRAYR ANDREASYAN

SENIOR SOFTWARE ENGINEER

CONTACT

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SUMMARY

Senior Software Engineer with over 12 years of experience in developing web & mobile applications using Python, Node.js, and PHP. Skilled in backend development, product design, and frontend technologies, with a strong background in building and scaling microservices as well as designing and implementing startup products. Experienced in collaborating with product teams to define strategies and technical solutions. Proficient in Agile methodologies, TDD, and DevOps, Design System with hands-on experience in B2B SaaS, Databases, social media, CRM, CMS, Fintech, Deal sourcing, and Cloud services.

SKILLS

Python, PEX, FastAPI, Django, JavaScript, TypeScript, Node.js, React, React Native, Next.js, Express.js, PHP, Laravel, Android, SQL, PostgreSQL, MongoDB, RabbitMQ, Redis, Celery, AWS, AWS Lambda, AWS CDK, GCP, TDD, Docker, Kubernetes, GitHub, Gitlab, GitHub Actions, Gitlab CI/CD

EXPERIENCE

Senior Software Engineer – Zayo, Colorado, US

10/2023 - PRESENT

- Optimized and maintained the company's customer portal, managing a mono repo and AWS microservices that handled quotes, orders, support tickets, and billing/payments, reducing system downtime and improving order processing speed.
- Designed diagnostic measurement solution for microservices through API Gateway, the application layer, Salesforce, and subsystems to analyze transaction rates across endpoints and identify performance bottlenecks.
- Developed a Log & Incident management platform with dynamic log levels and end-to-end metric reporting on infrastructure and AI models to identify patterns of use, discern behavioral changes, and answer critical questions on capacity, usage, and issue diagnosis.
- Modernized and migrated the legacy Angular frontend of the customer portal to a Next.js monorepo with React, adhering to the company's and Material-UI design systems while ensuring feature development remained uninterrupted.

- Upgraded and refactored custom Node.js modules in CodeArtifact, adopting best practices and fixing compatibility issues to improve stability, reduce technical debt, and streamline dependency management.

Software Engineer – Percona, North Carolina, US
09/2021 – 08/2023
- Collaborated with the Product Owner to design, develop, and launch an FastAPI based MVP software toolset that automated key service delivery processes, reducing manual workload and improving efficiency across service management teams.
- Integrated management features onto Database monitoring and management system to extend its capacity to serve the diversified needs of big customers.
- Implemented remote execution capabilities, allowing customers to efficiently schedule, monitor, and manage batch jobs with parameterized configurations, reducing manual intervention and improving task automation.
- Redesigned and enhanced the Frontend for a large-scale enterprise application, simplifying navigation, improving the onboarding experience, and accelerating user adoption.
- Implemented OAuth 2.0 authentication, RDBCA, and API security measures to enhance data protection, including encryption and masking of sensitive data and PII, ensuring compliance with industry security standards.
- Managed and maintained up-to-date documentation, ensuring seamless knowledge sharing and continuous improvement across teams.

Senior Full-stack Developer – Newsela, US
07/2019 – 08/2021
- Designed and implemented the unified CMS (content management system), to replace fragmented editorial workflows and improve efficiency, leveraging Dgraph, a distributed graph database.
- Led the migration from Django-based admin tools to a scalable CMS, improving data indexing, querying, and mutation efficiency with Dgraph's distributed architecture.
- Integrated ProseMirror to build a modular, customizable rich-text editor, enabling advanced content features like annotations, power words, and future extensibility.
- Contributed to Solution Architecture (SA) documents, defining technical challenges, proposed solutions, and system design for the new CMS to ensure scalability and maintainability.
- Collaborated with the Front End Platform (FEP) team to develop and optimize globally shared front-end tooling, ensuring seamless integration and empowering product teams to self-serve their use cases effectively.

Full-stack Developer – Leafcloud, Netherlands
11/2018 – 05/2019
- Developed a Customer Management Portal for Cloud GPUs, migrating from Django Admin to a modern React, TypeScript, and Next.js stack.

- Implemented authentication and access control using Django-auth and Keycloak, ensuring secure and scalable user management.
- Designed and executed comprehensive testing strategies, utilizing Jest and Playwright for frontend tests and FactoryBoy, fixtures, and Pytest for backend validation.
- Worked in an Agile environment, managing sprints and documentation using Jira and Confluence within a Scrum framework.

Freelance Web & Mobile developer
07/2013 – 08/2018
- Worked as a freelance web developer, delivering custom digital solutions for various industries, including real estate, manufacturing, and social networking.
- Developed high-performance web applications and mobile apps using React, Laravel, and Flutter, ensuring seamless user experiences and scalability.
- Built and optimized a real estate website with advanced property search features, a social network mobile app for community engagement, and a manufacturing company website with automated workflows.
- Provided end-to-end development, including technical research, UI/UX design, SEO optimization, and performance enhancements, while collaborating closely with clients to meet business goals.

EDUCATION

University of Yerevan State – Armenia
- Bachelor of Degree in Social Work, 2008

CERTIFICATE

- [Senior Software Engineer Certification](), REMOTE TECH WORK
- [Senior Software Architecture Certification](), REMOTE TECH WORK