

Benjamin Janis

Software Engineer

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PROFILE

Software Engineer with 7+ years of experience designing and building scalable web applications and backend services using React.js, Next.js, Node.js, Python, and TypeScript. Skilled in AWS cloud infrastructure, serverless services, and CI/CD pipelines to streamline deployments and ensure reliability. Proven track record of enhancing system performance and mentoring development teams in Agile environments.

PROFESSIONAL EXPERIENCE

Cerner Corporation, Software Engineer 02/2022 – 02/2026 | Minneapolis, MN

- Collaborated with 3 front-end engineers to build a clinician-facing platform using Next.js and TypeScript, delivering responsive workflows that improved usability and efficiency for daily clinical data entry.
- Integrated Supabase PostgreSQL as the primary data layer, designing structured queries and data models that supported scalable and reliable clinical data storage.
- Implemented secure authentication using Supabase Auth, applying security best practices to improve user access control, session management, and overall platform security for clinicians and enterprise users.
- Integrated an OCR service to automatically extract and submit EMR data, reducing manual data entry and helping clinicians complete documentation faster.
- Developed backend services using Python and FastAPI, packaging applications through Docker containerization and exposing well-structured APIs with Swagger documentation to streamline collaboration with the front-end development team.
- Mentored 4 junior front-end developers, providing code reviews, technical guidance, and onboarding support that improved development consistency and team productivity.
- Built an MCP server for clinical data processing, enabling AI-generated clinical reports on the frontend using ChatGPT-5.2 and Gemini models.
- Leveraged GitHub Copilot during development to accelerate coding, improve code quality, and enhance productivity across both front-end and backend workflows.

Rechat, Software Developer 11/2019 – 02/2022 | Hopkins, MN

- Built scalable backend services for a real estate management platform using Python, Django, and microservices supporting 10K+ monthly users.
- Developed high-throughput REST APIs with Django and applied testing frameworks such as pytest to improve API reliability and reduce latency by ~25% (800ms → 600ms).
- Deployed and managed AWS cloud infrastructure using ECS, EKS, Fargate, EC2, and S3, leveraging Infrastructure as Code with Terraform to automate resource provisioning.
- Managed AWS IAM users and Route 53 DNS configurations to ensure secure access control and reliable domain routing.
- Implemented CI/CD pipelines using GitHub Actions and AWS CodePipeline, enhancing DevOps practices to automate testing and deployments and increasing release frequency from biweekly to weekly.
- Built monitoring and reporting logs using AWS CloudWatch to track system performance and support operational debugging.

NetSol Technologies, Frontend Developer 08/2018 – 11/2019 | Los Angeles, CA

- Built finance software UI with React and JavaScript, translating Figma designs pixel-perfect and delivering responsive layouts optimized for both web and mobile platforms.
- Implemented smooth UI animations and rapid prototypes to validate UX direction early, reducing redesign risk while collaborating closely with designers.
- Integrated backend APIs and developed analytics dashboards with interactive charts, enabling clear financial insights through responsive and user-friendly interfaces.
- Reduced frontend rework by ~20% and UI defects by ~25% through testing, peer reviews, and Agile collaboration using Git, code reviews, and Scrum practices.

Asurion, Software Engineering Intern 07/2018 – 08/2018 | Minneapolis, MN

- Partnered with the CTO to build and ship features for web and mobile applications.
- Contributed to front-end and back-end development, integration, and testing of core systems.
- Worked with product and design teams to deliver clean, intuitive, and user-friendly experiences.
- Investigated performance issues, optimized systems, and supported API integrations with external platforms.

EDUCATION

Bachelor of Science, University of Minnesota Twin Cities 08/2014 – 05/2018 | Minneapolis, MN
Computer Science

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, NoSQL

Frontend Development: HTML5, CSS3, PHP, React.js, Next.js, Responsive UI

Backend Development: FastAPI, Django, Node.js, ExpressJS, NestJS, RESTful API, GraphQL, Microservices

Cloud & DevOps: AWS (ECS, EKS, Fargate, EC2, DynamoDB, S3, CloudWatch), CI/CD, Infrastructure As Code, Containerization

Databases: MySQL, PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub Copilot, Supabase, Swagger / OpenAPI, Jira, Agile / Scrum

Architecture & Engineering Practices: System Design, Software Architecture, Test-Driven Development, Code Reviews, Technical Documentation, Security Best Practices, Testing Frameworks

CERTIFICATES

AWS Certified Developer
Amazon Web Services Training
and Certification

Python for Data Science and AI
Coursera

React Fundamentals
O'Reilly Media