Joseph Nechleba

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EDUCATION

Cornell University, B.A. Computer Science   *Ithaca, NY | May 2019*

Relevant Courses: Algorithms • Object-Oriented Programming • Operating Systems • Machine Learning • Functional Programming • Data-Driven Web Applications • Networks • Linear Algebra

SKILLS

Frontend: Angular, React, Next.js, Vue.js, JavaScript, TypeScript, D3.js, Tailwind, HTML, SCSS
Backend: Node.js, Express, Nest.js, FastAPI, Go, MongoDB, Mongoose, SQL, PostGreSQL
Other: Python, Java, C, OCaml, PyTorch, Selenium, Git, Docker, AWS, Heroku CI/CD, Scrum
Languages: English (Native), French (B2)

PORTFOLIO AND SELECTED PROJECTS

Portfolio: www.josephnechleba.com

Pokémon Team Builder: *(Mongoose, Express, Angular 19, Node.js)*:   *August 2025*
- Full-stack CRUD app with JWT auth and protected routes, infinite scrolling
- SPA components for team stats, Pokédex search, and evolution chains.
- Real-time team analysis with sortable stats and advanced filtering.

Trattoria: *(Angular 19, HTML5, SCSS):*   *June 2025*
- Freelance mobile-first website for an Italian restaurant in Pontremoli, Italy.
- Drove +1k/month organic views and boosted customer traffic (tracked via analytics).

PROFESSIONAL EXPERIENCE

InterSystems HealthShare – Senior Software Developer   *Boston, MA | July 2019 - July 2022*
- Built reusable Angular/TypeScript component library adopted by 5+ teams; improved UI consistency and reduced delivery time 20%.
- Modernized legacy AngularJS app to Angular 15, cutting build size by 50% and ensuring long-term maintainability.

World Expedition*:*   *July 2022 - May 2025*
- Circumnavigated the globe across 19 countries, Jamaica to Japan; worked as a freelance developer, English teacher, and in hospitality.
- Strengthened cross-cultural communication, language skills, and problem solving.

Vimbly – Full Stack Developer Intern   *New York, NY | Summer 2018*
- Developed React components, SQL schemas, and Node.js middleware for Catch Fashion e-commerce platform.

Teaching Assistant – Object Oriented Programming in Java *Ithaca, NY | Sep 2016 - May 2018*
- Mentored 100+ students on Java fundamentals and object-oriented design.
- Built a JavaScript/jQuery **HyperText Search** tool to help visualize concepts like inheritance and encapsulation.