

Jacob Rosengarten - Full Stack Developer

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- Summary:** Motivated full-stack developer with 3+ years of experience in building scalable applications, with technical expertise and a passion for problem solving and user-focused solutions.
- Education:** B.S. in Cybersecurity, Stevens Institute of Technology, Hoboken, NJ - Expected Graduation: May 2025
- Qualifications:** **Software:** Adobe Suite, Android Studio, Eclipse, Git, Google Suite, Microsoft Office, Visual Studio
Programming: Assembly, AWS, Bash, C, C#, C++, Cryptography, CSS, EC2, Express.js, GraphQL, HTML, Java, JavaScript, LaTeX, Linux, MongoDB, MSSQL, MySQL, .NET, Next.js, Node.js, OCaml, Python, React.js, Redis, Redux, RESTful API, Scheme, SASS, Software Engineering, TypeScript, XML, XSLT
- Work History:** **Application Development Intern**
Plymouth Rock Assurance, Woodbridge, NJ June 2024 - December 2024
- Worked on test suites using AccelQ with usage of SQL and DB2 database integration as well as Jenkins jobs.
 - Documented SQL table/column relationships and usages for client applications/integrations in Excel.
 - Migrated old software into modern and modular code using Angular, SQL, and Spring Boot.
 - Built modular components that query SQL databases as well as make RESTful API calls.
 - Created and maintained generic SQL schemas including recursive CTE queries, stored procedures, and triggers.
 - Developed and migrated reports to a new table application with configurable JSONs and forms using Angular.
- Key Technologies: AccelQ, Angular, DB2, Excel, Java, Jenkins, Jira, Spring Boot, SQL, TypeScript, XML, XSLT
- Teaching Assistant - Web Programming I & Web Programming II**
Stevens Institute of Technology, Hoboken, NJ September 2023 - Current
- Assisted approximately 300 students with coursework related to full-stack development.
 - Graded and debugged assignments, managed grades, as well as used data forensics to detect plagiarism.
 - Hosted weekly multi-hour office hours, assisting with clarification, questions, and troubleshooting.
 - Developed solutions and grading scripts for labs that were strict to details and fair to all students.
 - Demonstrated project management and team leadership skills as the leader of the grading script team.
- Key Technologies: Express.js, GraphQL, HTML, JavaScript, MongoDB, Next.js, Node.js, React.js, Redis
- Internet Sales Representative**
Hyundai and Genesis of Freehold, NJ May 2022 - August 2022, May 2023 - August 2023
- Managed communications with potential customers by scheduling appointments, providing vehicle information, and addressing inquiries using a Customer Relationship Management (CRM) software.
 - Scheduled and facilitated 400+ appointments for vehicle exploration and purchase, resulting in 100+ sales.
- Projects:**
- Pickleball Bracket Generator** - React.js, Firestore, JWT, Google OAuth, TypeScript, Vite
 - Developed an application for users to CRUD their own pickleball tournaments.
 - Document Templater** - Node.js, Express.js, Firebase, JWT, React.js, XSS, Google OAuth, TypeScript, CSS, Vite
 - Created an app that enables users to create document templates with variable data merge capabilities.
 - Wiki Template** - Node.js, Next.js, React.js, MongoDB, NextAuth, JavaScript, CSS, API
 - Developed an authenticated wiki platform where users can CRUD wiki pages with custom markdown styling.
 - MongoDB eCommerce** - Node.js, Express.js, Handlebars, Express-Session, MongoDB, Authentication, UX/UI
 - Built an eCommerce platform with an extensive and robust admin dashboard for product management.
 - MOSS Parser** - Node.js, Express.js, React.js, Vite, CSS, JavaScript
 - Built an interface for MOSS Plagiarism Detection results with efficient filtering, downloading, and grouping.
 - Portfolio Website** - Node.js, Express.js, TailwindCSS, JavaScript, CSS, HTML5
 - Developed a responsive portfolio website showcasing my skills, projects, and resume.
 - CourtReservations** - Node.js, Express.js, Handlebars, Express-Session, MongoDB, XSS, Google Maps
 - Developed a court reservation platform for scheduling and managing court bookings in a collaborative development team within a 2 month term.
 - Budgeting App** - Node.js, Axios, MongoDB, Express.js, Redis, MongoDB, Material UI, React.js, AWS, Firebase
 - Developed a social budgeting platform with 4 peers using a RESTful API and React client within a short term.
 - Sorting Algorithm Visualizer** - Tool for visualizing sorting algorithms using Node.js, Express.js, and Bootstrap
 - Flow Puzzle Solver** - Solver for flow puzzles emphasizing efficiency and styling with Node.js and Electron.
 - Car Payment Calculator** - Session-based application to calculate car loans using Node.js, Express.js, and AJAX.
- Accolades:** 2020 Winner of the Congressional App Challenge for New Jersey