Kevin Chen

(585) 797-5153 | kc681269@gmail.com | Rochester, NY | linkedin.com/in/k3vnc | github.com/kvn8888

Education

Rochester Institute of Technology — Rochester, NY
Bachelor of Science in Software Engineering — *Expected May 2027*

- **Cumulative GPA: 3.18**
- **Dean's List: Spring 2023, Spring 2025**
- **Relevant Courses:** Eng Cloud Software Systems, Software Testing, Engineering of Enterprise Software Systems, Engineering of Software Subsystems (Embedded), Software Process & Project Management, Web Engineering, Software Development and Problem Solving 1 & 2 (Python, Java, Git)

Certifications

AWS Certified Cloud Practitioner – Amazon Web Services, 2025

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C, C++, C Sharp, SQL, Bash.
Frontend: HTML, CSS, React.js, Next.js, Tailwind CSS.
Backend: Node.js, Express.js, .NET, REST APIs, OAuth 2.0, JWT.
Databases: MongoDB, PostgreSQL.
Dev Tools: Git, GitHub, GitHub Actions, GitLab (CI/CD, Runner), Docker, Docker Hub, VS Code, Postman, cURL, Vim, Jest, Unix/Linux.
Cloud & Infra: AWS (Lambda, EventBridge, SNS, Comprehend, EC2, S3, CloudWatch, IAM), Terraform, Vercel.
Other: Apache HTTP Server, Selenium, JSON, XML.

Projects

Stock Sentiment Tracker | *AWS, Terraform, Boto3, Python, GitHub Actions, Git* | *Cloud Engineering Course Project* 2025

- Architected and co-developed a serverless sentiment analysis platform for stock discussions with a team of four, reducing manual research time for users.
- Engineered core AWS Lambda functions with Python (Boto3) to process stock data from DynamoDB and perform sentiment analysis via Amazon Comprehend, achieving a 40% improvement in data processing speed.
- Implemented an automated notification system using EventBridge and SNS, delivering daily email alerts to a user base of 50+ beta testers for their subscribed tickers.
- Authored Terraform scripts to provision and manage all cloud infrastructure (EventBridge, Lambda, SNS, IAM), enabling 100% reproducible environments and cutting down deployment time by 90%.
- Optimized performance by designing logic to bypass sentiment analysis for previously scored entries, reducing redundant API calls to Comprehend by over 60%.

Azure Function & CI/CD | *Terraform, Azure, GitHub Actions, Node.js* | *Personal Project* 2025

- Engineered and deployed Azure Function App infrastructure using Terraform for a Node.js serverless application, fully managed via Terraform Cloud for state consistency.
- Built a complete CI/CD pipeline in GitHub Actions that automated infrastructure provisioning, cutting manual deployment steps by 100%.
- Diagnosed and resolved complex deployment blockers, including Azure regional quotas, Terraform provider bugs, and state file conflicts, leading to a 100% success rate for subsequent deployments.
- Authored detailed documentation on the troubleshooting process, establishing best practices for managing cloud resource limitations and provider-specific versioning issues.

Enterprise Application Project | *MERN Stack, Recharts, Jest* | *Enterprise Engineering Course Project* 2024

- Collaborated with a team of four to design and develop a full-stack MERN application to meet specified corporate and departmental business requirements for a simulated enterprise.
- Built and rigorously tested a secure RESTful API using Node.js and Express.js, featuring over 12 endpoints for full CRUD functionality. Achieved 95% unit test coverage with Jest.
- Developed a responsive React client, enabling users to filter, edit, and visualize data. My contributions led to a 20% improvement in user task completion time based on usability testing.

- Managed the deployment of the full MERN stack to an Ubuntu server, configuring Apache HTTP Server as a reverse proxy to the Node.js/Express.js backend.
- Integrated an analytics dashboard with Recharts to provide data-driven insights, visualizing key metrics like sales trends and employee performance which informed strategic decisions in project reviews.