

Kent Hudson Caparas

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PROFESSIONAL SUMMARY

Full-stack developer with proven experience building scalable web applications and cloud-native systems. Delivered measurable performance improvements including 40% reduction in deployment time through Docker and CI/CD implementation. Led development of a nutrient management platform from conception to deployment, managing both frontend React components and PostgreSQL database architecture. Experienced in end-to-end product development with focus on user-centered design and system reliability.

EDUCATION

Diploma in Information and Computer Systems Technologist

Camosun College

Sept. 2021 – June 2024

Victoria, British Columbia

SKILLS

Frontend: React, HTML, CSS, JavaScript/TypeScript, Next.js

Backend: JavaScript, Express.js, Node.js, REST API, Python, Java

CI/CD: Docker, Kubernetes, Terragrunt, Terraform

Cloud Computing: AWS, Google Cloud Platform, Lambda functions, DynamoDB

Dev Tools: Git, Visual Studio

Database: PostgreSQL, MongoDB, NoSQL, SQL, MySQL

Methodologies: Agile development, software development life cycle, microservices architecture

PROJECTS

MockMentor | *Terragrunt, Terraform, React, TypeScript, MongoDB, GCP, Python, OpenAI*

March 2025 – Current

- Streamlined deployment processes by implementing Terragrunt infrastructure-as-code, reducing deployment time by 40% and ensuring consistent environment configurations across GCP resources.
- Architected a backend ecosystem, leveraging Python for AI-powered interview analysis, resulting in modular and scalable application architecture.
- Implemented prompt engineering techniques to optimize LLM responses and fine-tuned models using Nebius AI Studio, improving response accuracy by 35%.
- Implemented auto-scaling RabbitMQ message queuing system with dynamic worker management for background processing of LLM evaluations and behavioral analysis, automatically scaling workers based on peak usage hours to optimize resource utilization and reduce processing latency.

Links: [GitHub Frontend](#) | [GitHub AI Service](#) | [Github Infrastructure/Terragrunt](#)

NebulaChess | *React, TypeScript, Browser Extensions, AI Integration*

March 2025 - March 2025

- Developed a Chrome extension using React and TypeScript that provides real-time chess analysis by extracting FEN notation from Lichess.org and integrating with AI services to deliver strategic move suggestions and position evaluations.
- Engineered DOM manipulation utilities to detect player color, track move history, and poll board state stability, ensuring accurate data extraction during gameplay animations and transitions.
- Implemented non-intrusive sidebar interface with seamless Lichess integration, creating a clean user experience that enhances gameplay without disrupting the native chess platform functionality.

Links: [NebulaChess Github Link](#)

PawCity | *Docker, AWS, React, JavaScript/TypeScript, MongoDB, Render.com, Express.js*

March 2025 – March 2025

- Engineered a full-stack application with secure authentication and pet matching features using React, Express.js, MongoDB, and AWS S3, delivered in just 4 days.
- Applied DevOps practices and CI/CD pipelines to achieve successful deployment within 3 days of competition deadline.
- Implemented REST API endpoints for seamless front-end and back-end integration.

Links: [GitHub PawCity](#)

- Developed a full-stack task management tool that improved productivity and streamlined daily workflow through intuitive UI and organized task tracking.
- Streamlined deployment and scalability by 80% using Docker and Kubernetes following agile methodologies.
- Architected a cost-effective deployment strategy using free-tier services (Render.com, Aiven), overcoming infrastructure challenges and containerizing the app within 2 weeks.
- Implemented comprehensive acceptance criteria and testing protocols.

Links: [GitHub RemindMe-Frontend](#) | [Github RemindMe-Server](#)

WORK EXPERIENCE

Full-Stack Developer

Freelance

May 2025 – Current

Victoria, British Columbia

- Delivered scalable digital solutions to small businesses following agile development practices and software development life cycle principles.
- Designed and deployed custom, responsive websites using HTML, CSS, and modern frameworks, increasing average web traffic.
- Built full-stack applications using React, Node.js, and PostgreSQL with secure backend systems, comprehensive automated testing, and CI/CD pipelines.
- Collaborated with clients through clear technical documentation and regular progress updates, ensuring client satisfaction and meeting acceptance criteria.
- Provided ongoing technical support and maintenance for deployed applications.

Full-Stack Developer

Government of British Columbia — The Sustainment Team (Contract)

April 2024 – August 2024

Victoria, British Columbia

- Designed and implemented an MVP using React, JavaScript/TypeScript, PostgreSQL, Docker, OpenShift, and Express.js, improving nutrient management usability by 70%.
- Collaborated with Senior Developer following agile methodology to design and execute containerization and deployment workflows via Docker and OpenShift, improving efficiency.
- Contributed to agile development processes and software development life cycle, increasing team productivity through effective sprint planning.
- Participated in code reviews, unit testing, documentation, and user acceptance testing (UAT), ensuring compliance with government standards and acceptance criteria.
- Implemented data validation protocols for nutrient management system, ensuring data integrity across PostgreSQL databases.
- Demonstrated growth mindset by evolving an initial MVP concept into a comprehensive full-scale application through iterative development, actively incorporating user feedback and adapting solutions to achieve improvement in user-friendliness.

Links: [Github Better Berries](#) | [Personally Deployed Site](#)

REFERENCES

Available upon request