Paulson Mwangi Kimani

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7548 28th Ave SW, Seattle, WA, 98126

Education

Seattle Pacific University — June 2025
Bachelors of Arts in Computer Science — *Seattle, WA*
Leadership: President of Software Developer's Club
Membership: National Society of Black Engineers

South Seattle College — Dec 2022
Associate in Arts in Computer Science — *Seattle, WA*
Honors and Awards : Dean's List

Relevant Coursework

Mathematics: Calculus, Statistics, Math for Computer Science
Programming: Data Structures, Algorithms, Cybersecurity, Applications Programming, Databases, Web Programming, Systems Design, Computer Architecture and Organization
Information Technology: Cisco: CCNA Introduction to Routing and Switching, CompTIA A+, AWS Developer Associate
Self-Study: Artificial Intelligence, Prompt Engineering, Gen AI

Experience

Software Development Engineer Intern — **July 2024 – Sept 2024**
F5 Networks — *Seattle, WA*

- Increased code coverage by analyzing unused areas of code to improve development efficiency and reduce uncovered code.
- Developed strategies to integrate test suites into the CI/CD pipeline, using Python and GitLab, to enhanced code quality.
- Recognized an issue and proposed a solution, leading to enhanced development and increased efficiency, by analyzing code.
- Collaborated with the Big-IP team to enhance networking, and load balancing, and engaged in cross-functional teamwork.
- Participated in Agile meetings, code reviews, and pair programming, deepening collaboration skills, and meeting deadlines.
- Automated routine system tests with custom scripts to reduce manual intervention and streamline quality assurance.

Hardware Engineer Intern — **Jan 2022 – Feb 2024**
Worldwide TechServices LLC — *Seattle, WA*

- Led the assembly and maintenance of 500+ computers, updating hardware, ensuring optimal reliability and user uptime.
- Performed comprehensive system upgrades on 50+ models of computers, including BIOS updates and operating system installations, alongside hardware troubleshooting and diagnostics, as well as Microsoft Office and mobile support.
- Efficiently managed the Install Move Add Change (IMAC) for 300+ users, upgrading workstations to dual-monitor setups.
- Configured laptops, docking stations, networking and system monitoring tools, enhancing productivity and usability.
- Read hardware maintenance manuals (HMM), trained online to receive product qualification certifications, to enhance skills.

Projects

WhatColor | *React Native, Android Studio, Node.js, AWS S3, DynamoDB, Lambda* — **Sept 2024 – June 2025**

- Developed a mobile app to assist colorblind individuals in identifying clothing colors using a smartphone via image upload.
- Built cross-platform compatibility with React Native for seamless performance on Android devices and iOS devices.
- Improved user accessibility by optimizing the app for various lighting conditions and clothing materials, with color filtering.
- Built with AWS resources using cloud native infrastructure, ensuring stability of resources, and effective cost management.

Articles Plus | *Python, Django, OpenAI API, Next.js, PostgreSQL, Nginx, uWSGI* — **Oct 2023 – Oct 2024**

- Developed an AI-driven news aggregator, utilizing OpenAI API, to improve personalization and content quality for users.
- Based on backend technologies of Python, Django, and PostgreSQL, and Docker Compose, integrated to ensure stability.
- Implements frontend technologies of Next.js, which allows well designed UI, enhanced page load, and mobile responsiveness.
- Built with generative AI prompt engineering strategies to streamline development and improve reliability and maintenance.

Hackathon Portfolio | *AWS S3, AWS CDK* — **Sept 2024 – Sept 2024**

- Developed a robust online portfolio framework enabling secure, scalable hosting for technical demonstrations, and examples.
- Streamlined Node.js environment install via Fast Node Manager on cross-platform systems, ensuring stable version control.
- Configured zero-spend budgets, ensuring cost-conscious infrastructure, implemented IAM credentials to reinforce security.
- Orchestrated continuous integration pipelines and automated cdk deploy workflows, to reduce manual development setting.

Technical Skills

- **Languages:** C/C++, Java, Python, HTML, CSS, JavaScript, TypeScript, Markdown, YAML, PHP, SQL, Assembly, R
- **Frameworks and API:** FastAPI, Django, Node.js, React.js, Express.js, Bootstrap, Tailwind.css, Material UI, OpenAI
- **Backend:** Apache, Nginx, MySQL, PostgreSQL, Gunicorn, uWSGI, AWS, Elasticsearch, Redis, RabbitMQ, Debian, Ubuntu
- **Tools:** VS Code, CLion, Eclipse, Android Studio, Bash, CMD, WSL, Docker, WordPress, Qt, Git (GitHub/GitLab), MS Office
- **Soft-skills:** Leadership, Communication, Teamwork, Responsible, Diligence, Quick Learner, Trustworthy, Curious, Motivated