

# Batuhan Ipci

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[GitHub](#) • [LinkedIn](#) • [DEV.to](#)

## Work Experience

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**Foam On Latte Inc.** • Toronto • Full-time • August 2024 – Present

### Co-Founder & Lead Software Engineer

- Designed and developed a custom Shopify app for Canada's largest dress rental company, leveraging Flutter, .NET, AWS, Liquid, and Svelte to create a cross-platform inventory management system.
- The solution seamlessly integrated with Shopify's ecosystem, enabling real-time inventory tracking, instant updates via mobile scanning, and detailed reporting through a web and mobile app, enhancing operational accuracy and efficiency by 60%.
- Implemented an AWS Elastic Load Balancing solution with auto-scaling groups, resulting in a 99.99% uptime and successful handling of 3x traffic spikes during peak rental seasons, while reducing infrastructure costs by 40% through optimal resource allocation.
- Architected and deployed a distributed data processing pipeline using AWS Lambda and DynamoDB, processing over 10,000 daily inventory transactions with sub-second latency, enabling real-time analytics and reducing data synchronization errors by 85%.

**Seneca Applied Research** • Toronto • Full-time • Jan 2023 – September 2024

### Software Engineer

- Developed and deployed an on-demand daily payment solution using Flutter and Node.js, empowering employees with enhanced financial autonomy. The system leveraged real-time data processing to enable immediate access to earned wages.
- Enhanced user experience by launching the payment system as a multi-platform application, that is accessible on the web, Android, and iOS devices, implementing platform-specific UI/UX enhancements.
- Developed an integrated invoice management system with automated payment reminders, improving tracking and reducing late payments.
- Achieved a 25% reduction in deployment time by developing and executing comprehensive automated tests, ensuring seamless deployment of updates and new features to production environments.

**InheritChain** • Toronto • Part-time • May 2023 - Dec 2023

### Software Engineer

- Developed an online Will generation platform that utilized Next.js and Solana, improving efficiency for lawyers and clients.
- Boosted backend test coverage to over 95% using Jest and service mocking for comprehensive and dependable testing.
- Developed a robust and user-friendly invoice generation system that streamlines the billing process for lawyers, resulting in a significant reduction in manual errors while saving 15 hours of administrative work per month.
- Implemented automated deployment pipelines using Docker and Kubernetes, reducing deployment time, and minimizing downtime.

**Seneca Applied Research** • Toronto • Part-time • May 2022 – Sep 2022

### Backend Engineer

- Developed custom data pipelines using Python to automate the extraction and transformation of data from various sources (driver's licenses, car ownership records, insurance databases). This facilitated efficient analysis of large datasets, expediting the customer onboarding process from 30 minutes to 10 seconds.
- Employed a variety of data structures, algorithmic techniques, and regular expressions to preprocess unstructured content from Textract, preparing it for efficient database persistence in MongoDB.
- Developed comprehensive technical documentation to streamline processes, enhance team collaboration, and ensure a clear understanding of complex concepts.

## Independent Ventures

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**Rock Solid Productions:** Built a scoreboard application for multiplayer games using Flutter and .Net. Used by 1000+ Street Curling rink vendors across Canada.

**Nearly:** Developed an innovative dating app utilizing Next.js, Python and AWS, which is set to launch in Germany in 2025.

**ProAdmit:** Architected and launched a high-conversion lead generation website for immigration consultancy that transformed client acquisition, driving an 8x increase in monthly consultations. Implemented SEO optimization, automated scheduling, and payment processing using Next.js and Node.js, resulting in a 60% reduction in administrative overhead and consistent lead generation.

## Hackathons

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**Seneca Smart Cities Hackathon, 1<sup>st</sup> Place Winner out of 715 participants** • Toronto • May 2023

- Served as the team leader in developing *Mood Vault*, a secure client and therapist portal allowing patients to log in their daily moods and journal their thoughts. Mood Vault uses Artificial Intelligence (AI) to summarize, translate, and analyze thousands of patient logs instantly by using AWS server-less architecture.

**TH.0 Recruitathon Hackathon, 1<sup>st</sup> Place out of 100+ teams** • Virtual Worldwide • May 2022

- Prototyped an online gamified recruitment platform for Gen-Z interns and new graduates while empowering small and medium-sized businesses to innovate their recruitment process.

**Seneca Hackathon, 1<sup>st</sup> Place Winner of UN PRME Challenge** • Toronto • May 2022

- Built an online sustainable marketplace for connecting ethical and sustainable suppliers with buyers. Presented the solution at the Seneca UNPRME Annual Sustainability conference.

## Skills

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**Programming Languages:** Dart, JavaScript, TypeScript, Java, C++, Swift, Python

**Frameworks and Libraries:** Express.js, Node.js, Next.js, Angular, Three.js, Flutter

**Testing Frameworks and Coverage Tools:** Jest, Istanbul, Catch2, Google C++ Testing

**Cloud Technologies:** Azure, Amazon Web Services (AWS): Textract, Cognito, S3, EC2, ECS, DynamoDB

**Others:** Docker, OpenCV, Git, MySQL, PostgreSQL, MongoDB, Bash, Unix, Wireshark, Blender, Jira

## Education

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**Ontario College Advanced Diploma in Computer Programming and Analysis**

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